

DRUG & CHEMICAL MARKETS

Established 1914

A Weekly Business Paper and Prices Current on
Chemicals, Drugs, Colors, and Aromatics

VOL. XV

NEW YORK, DECEMBER 3, 1924

No. 23

MONSANTO

Fine and Medicinal Chemicals

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Monsanto Chemical Works
SAINT LOUIS, USA.

NEW YORK

CHICAGO



In This Issue { *"How We Handle Containers"*
Ergot Price Doubled

Chemicals bearing the Warner mark of dependability conform always to the highest standards of purity and may be counted upon always for their uniformity. Assurance that every shipment shall be "like the last" is most important to manufacturers using these products and for 38 years we have maintained the most exacting requirements. Our trade mark is for the buyer a guarantee of satisfaction, as it is for us a pledge and a badge of our pride in the chemicals that we produce. We were the first American manufacturers of six of the products we make, and all chemicals bearing the Warner brand are recognized as standard.



*The
Mark
of
Dependability*

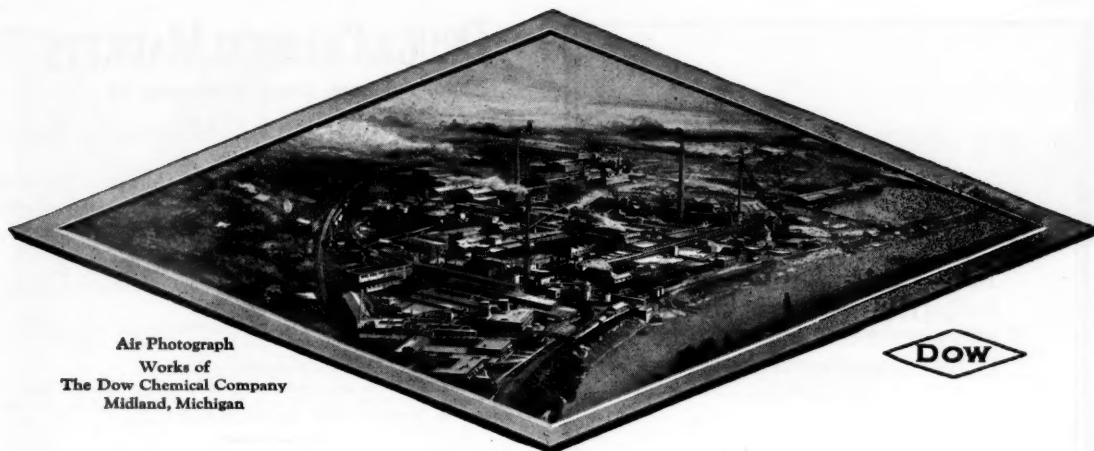
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PARA-NITROSODIMETHYLANILINE
DIPHENYLGUANIDINE
TRIPHENYLGUANIDINE
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40 RECTOR STREET NEW YORK, N. Y.



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VOL. XV

No 23

The Week in Brief

News

Belgium places duty on borax, sodium and potassium bichromate and carbon black.

Nitric acid of German origin is flooding the French market. The competition in sulfuric by leading French producers keeps prices down in spite of active demand by consuming industries.

Serious disagreement developed during the week at the Opium Conference in Geneva, Switzerland, over the question of reservations touching the American proposals for restriction of the traffic in narcotics.

Markets

Slight slackening in demand for industrial chemicals during the week due to the holiday. Potassium carbonate prices advanced. Prussiates firmer. Arsenic slightly firmer abroad. Carbon tetrachloride stronger. Market continues generally firm.

Demand for dyes and intermediates continues to improve. Pyridine is lower. Strong undertone in aniline oil. Naphthalene firmer. Benzene continues firm. Diethylaniline price unsettled. Other prices remain unchanged.

Linseed oil prices lower on spot, due to lack of demand. Fish oils continue firm under active demand and scarcity. Animal oils moving in greater volume at recently advanced prices. Vegetable oils remain close to recent levels. Tallow reaches new high level. Turpentine is lower.

Fine chemicals showed little change during the week. Mercury is firmer. Menthol is lower. Potash permanganate is steady. Imported bromides closely held. Diethylbarbituric acid duty has been changed and is now effective. Codliver oil is active.

Essential oils have gained sharply. Oil peppermint is still advancing. Messina essences are higher. Oils caraway and wormseed only weak items. Oil anise tending higher.

Crude drugs changes include sharp advances in ergot and lycopodium. Cascara sagrada is stronger on the Coast. Amber sorts are scarce on spot. Ipecac root is closely held.

MATHIESON Chemicals

Accuracy First

ACCURACY is the keynote in the design and operation of the Mathieson Multi-Unit Tank Car. Absolute accuracy in loading is the basic feature that creates all the other advantages of this car—maximum safety, economy and convenience in the transportation and use of Liquid Chlorine.

Upon the return of a Multi-Unit Car to our works, each of the fifteen one-ton containers is removed from the car and thoroughly cleaned, dried and inspected. The valves and fusible safety plugs are removed from each container and reset in our machine shop.

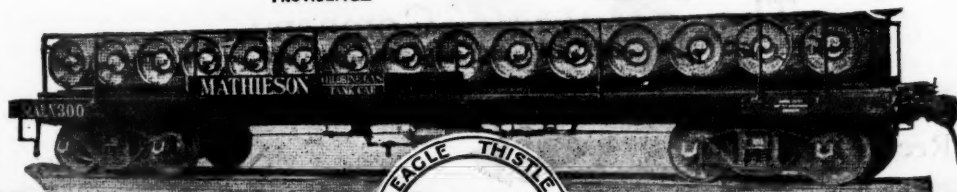
Each ton container is refilled while being individually weighed on a Toledo scale. To make doubly sure of the accuracy of the contents and of the tightness of the valves, all containers are allowed to stand for 24 hours after filling, until the Liquid Chlorine has adjusted itself to atmospheric temperature. A final inspection is then made and the weights rechecked before the containers are returned to the Multi-Unit Car.

Users of the Mathieson Multi-Unit Tank Car are assured of an even fifteen tons in each carload, each container an accurate measure of Liquid Chlorine, with none of the hazard due to possible overloading and with no shortages or uncertainty as to the quantity of material received.

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The *Barrett* Company

40 Rector Street



New York City

DRUG & CHEMICAL MARKETS

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SHIPPERS WARNED OF LABOR PLOT

The attention of the chemical, dye and drug shippers has been called to the Howell-Barkley bill, which labor interests are preparing to push with vigor before the coming session of Congress. The bill would abolish the Railroad Labor Board and substitute four national boards of adjustment, with no representative of the public, and a board of mediation and conciliation. On the adjustment boards there would be 40 members at \$7,000 each, and five commissioners on the board of mediation at \$12,000 each. The annual expenses would total \$1,250,000, four times the cost of the Labor Board. Under the proposed system railroad employees would dictate wages and working conditions. The bill was drawn by leaders of the railroad organizations. The measure would create a closed shop on the railroads, and the courts are deprived so far as possible of power to force service for the public good in case of strikes. Protests to Senators and Congressmen are deemed necessary by the Committee on Public Relations of Eastern Railroads, 143 Liberty Street, New York, with whom chemical, dye and drug interests should get in touch.

THE STOCK BOOM AND 1925 BUSINESS

The past month has seen the broadest bull movement in the stock markets of the country which has been registered at any time during the past two years. On the New York Stock Exchange, trading has reached two million shares per day for several weeks at steadily rising prices. So-called key stocks, which have been taken by market analysts as the straws which indicate the direction and strength of business winds, have led the advance. Steels, rails, utilities have been the leaders. Rubber stocks have started back from one of the worst slumps in the history of the business. A similar movement has just about started in the petroleum and sugar issues. Leather companies have gained greatly in the market value of their securities during the rise. Practically every group has had a pronounced bull movement with the exception of the copper stocks.

The stock market continues to foam and boil as the whole country continues to buy heavily. In the commodity markets, nothing akin to stock market activity is reported, and this is especially true of chemicals. Buying of chemicals continues slow for this season of the year. Reports of industrial activity in any number of groups do not find a response in the chemical market. The activity of stock buying and improved industrial operations, however, have engendered a spirit of optimism in chemical circles. Chemical people

feel that general business has not picked up to the extent which the rise in stock prices might indicate, but that the stock market is anticipating and discounting a good year of business during 1925.

Practically every bull movement of the stock markets over the past twenty years, has been followed by a wave of industrial activity. There is no reason to believe that 1925 will be an exception to this rule.

WHY THE CASH DISCOUNT?

Step by step over the past fifty years, American business has been modernized according to the times by numerous revisions of customs which have tended to eliminate the unnecessary and unessential. Through this period of changing customs, a relic of the money stringencies following the days of the Civil War, the cash discount for prompt payment of bills has come unscathed. Practically every industry or trade to-day gives cash discounts ranging from one up to five per cent for payment of bills within ten days. Each individual company takes its discounts and, in return, allows them to its customers. At the present time where it is safe to say that the big majority of firms discount their bills, the custom resolves itself into a give and take proposition without a great deal of point.

Not only does the cash discount complicate bookkeeping and selling problems, but it is an endless source of bad feeling between buyer and seller. Many firms are strict in their allowance of the discount while just as many buyers repeatedly deduct the allowance after the ten days, or whatever the period of grace may be, have expired. Returned checks, additional bookkeeping, strong letters, and the resultant bad feeling between buyer and seller are inevitable. As the responsible factor for lost customers and sales complications, the cash discount vies with the returnable container problem for first place. It is also one of the reasons why plain old-fashioned bookkeepers, who sufficed in years gone by, have become "expert accountants."

When a manufacturer, importer, dealer, or whatever the firm may be, sells and delivers a parcel of merchandise, the moral obligation to the buyer has been fulfilled. Payment is in reality due then and not ten, thirty or sixty days later. Of course, it is not always practicable to pay bills upon receipt of the goods, but it is practicable to pay them within ten, or twenty days, and a deduction of one, two, or three per cent in the bill should not be necessary to induce payment within a reasonable time. No buyer is doing the seller a favor by paying his just debts promptly, whether the goods in question be shoes, shellac, or simaruba bark.

Not only is the cash discount an endless chain of pointless complications, but it is an ancient precedent which every industry and trade would like to, but is afraid, to break. An investigation of trade troubles springing from this source to-day, with an eye to the elimination of this obsolete practice, is worthy of the activities of all trade associations, chemical and drug included.

REVISING CHEMICAL STATISTICS

The chemical division of the Department of Commerce is considering revising the classification of chemical commodities which are now listed in the official tabulation of import and export statistics. It is proposed to eliminate items which do not enter into foreign trade in sufficient volume to warrant their inclusion in the statistics, to elaborate on the schedule and to segregate and separately mention other items which are now included in unenumerated basket clauses. This move is commendable and will no doubt be welcomed by the many who have occasion to look up import or export statistics only to find that what they are seeking is not mentioned or else is included under a general heading, or "all other, n.e.s." In spite of many handicaps, which Government Departments are constantly meeting when they ask for larger appropriations to meet expanding conditions, the Chemical Division of the Department of Commerce has been increasing and improving chemical information and statistics for the American chemical industry.

WIRE TO WASHINGTON TODAY

Action, not empty thought, gets results. Neither one firm, nor a dozen firms, can beat the Cramton Bill. If every interested consumer of alcohol, and this means practically the entire chemical, drug, and allied industries of the United States, will wire his Senator and Representative, an avalanche of opinion can crush this pernicious measure. Damning the Cramton Bill privately will do no good. Wire to Washington and let your Senator and Representative know that legitimate industry of his state is jeopardized. Help the trade associations and individuals who will fight this measure before the Judiciary Committee. Congress is now in session, so now is the time to throw the weight of your influence into the balance. Wire to Washington to-day!

Regrets are expressed in the chemical trade that the plan for a chemical exposition, this year, was cancelled. The postponement until 1925 is the first break in annual exhibits since 1915. It is believed that considerable new business, especially for export, was not placed as a result of the omission. At the same time, early indications point to the 1925 Chemical Exposition as the largest and broadest ever held in the United States. The management is said to have declined scores of requests from foreign firms who expressed a desire to exhibit. Whether the policy is for the best

interests of American manufacturers and producers is questioned, because the competition might improve American methods.

Ten Years Ago

The duller week in the history of the local markets closed with prices on nearly a hundred articles down, and with advances on scarcely a dozen. The Thanksgiving Day holiday accounted for a quiet week.

The American steamship, the Sun, chartered by C. H. Ruhl, arrived at New York, after a week's delay due to heavy weather and shortage of coal, with 4,000 tons of German dyes and chemicals, valued at \$1,500,000.

The new stamp tax became wholly operative Dec. 1. The tax on beer, fixed at \$1.50 a barrel, an advance of 50c, is the main feature of the law. On Nov. 1 the tax on bankers, brokers, proprietors of theatres and circuses, tobacco dealers and cigar and cigarette manufacturers took effect.

Not fear of shortage, but uncertainty of arrival from Rotterdam, was causing uneasiness and advanced prices on German goods not contraband of war.

C. H. Ruhl, New York, completed arrangements for four more cargoes of German drugs, chemicals and dyestuffs to be transported to America from Dutch ports.

A rather heavy buying movement in menthol for export caused an advance of 15c and was quoted as high as \$2.75 in some quarters.

A favorable trade balance of \$70,000,000 for the full month of November was expected.

American refined camphor was again reduced owing to the inactive demand and was quoted at 49½ cents a pound.

The question whether transportation costs should be included in the consideration of an adjustment of duties on magnesite is the main issue in the determination of the tariff rate. Domestic producers in California and Washington have a \$7 or \$8 per ton freight charge in Eastern markets, but believe themselves entitled to the opportunity to compete east of Chicago. Transportation costs, however, are not to be included in production costs, according to the debate on this question in Congress. If it were allowed the matter of equalization of transportation costs would have to be adjusted satisfactorily.

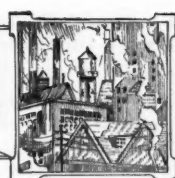
Production of refined and crude arsenic in the United States in 1923 amounted to 14,902 short tons. Total sales amounted to 14,271 tons, valued at \$2,808,801, an average of 9.84c per pound. The sales of white or refined arsenic, 99 per cent or more pure, amounted to 12,357 tons, valued at \$2,556,874, an average of 10.35c per pound. Sales of crude arsenic, 75 to 95 per cent pure, were 1,914 tons at an average of 6.58c per pound. Unsold stocks at the end of the year were reported as 631 tons. No red arsenic or metallic arsenic were produced. Imports of arsenic for 1923 were 10,152 short tons.

The National Council of Importers and Traders has notified the District of Columbia Court of Appeals that it will not file a brief in the sodium nitrite case of the Norwegian Nitrogen Products Co., which is seeking to compel the Tariff Commission to disclose confidential data of domestic costs of production of sodium nitrite. The council had asked and received permission to file a brief as amicus curiae. The action of the council is regarded as a realization that it had no right to question the constitutionality of section 315 of the tariff law.



Industrial Chemical

SECTION



"How We Handle Returnable Containers"

Big Chemical Consumers and Manufacturers Give Return and Credit Methods and Ways to Correct Abuses

PART I

Controversies over credit for returned containers have probably lost more customers than poor salesmanship. The entire returnable container situation has become a muddle, almost hopelessly complicated as far as any definite standard trade practice is concerned. Who shall pay the freight? Who shall stand losses in transit and make the claims against the railroads? How big a factor is container-credit in competition? Is it possible to work out a practical standard for returned container credit? All are trite questions upon which light may be thrown by the methods of some of the big consumers and manufacturers.—The Editors.

American Hide & Leather Co.—In the question of returning and obtaining credit for carboys, steel drums, and other returnable packages, the only satisfactory course to pursue is to have a uniform basis of credit for both buyer and seller, that is to allow the buyer to ship his return packages f.o.b. his plant and deduct the amount due on his account as soon as the goods are shipped. In this way all disputes as to the number of packages shipped or the condition of them is settled by referring to the bill of lading. Thus much needless, aggravating correspondence is eliminated as to one or two carboys or drums, said to have been shipped in good condition, and not received on the other end. Also the point of the buyer waiting a considerable period of time, in some cases six months, to receive the credit due him for these packages is satisfactorily settled. By this method, the buyer in returning packages, treats the seller in exactly the same manner as the seller treats the buyer when goods are shipped. If a manufacturer is shipping goods to a consumer, he turns the goods over to the carrier, sends the bill of lading to the buyer, and bills the buyer for whatever the bill of lading calls for, then it is up to the buyer to get the goods from the railroad or make his claim to the railroad for goods not received or received in a damaged condition. By this plan, the buyer follows exactly the same method of procedure in returning packages, and credits his own account as soon as he sends the bill of lading to the seller.

The breakage of carboys, which in our experience amounts to less than one per cent, can easily be taken care of by the consumer at his plant, but the great trouble is in getting the packages back to the seller and receiving credit for them.

As to charging for every package and having them become the buyer's property to dispose of in any way that he sees fit, this hardly seems reasonable in the case of carboys, since the carboy is charged for at \$5 and the contents, in one instance, at \$1.50. When 2,500 of these carboys are received a year on this one item alone, it makes quite a difference what the carboys could be sold for. The buyer would in that case be at the mercy

of the manufacturer as to whether or not he wanted to take the carboys back; and if business was slack, he probably would not be so anxious to take them back and thus the buyer would have to stand the loss.

Pyrene Manufacturing Co.—Containers that are returnable such as drums and carboys, are returned as soon as possible in order that credit may be obtained. In practically all cases where the containers are shipped by freight, a deduction is made from the outstanding bill as soon as the containers are turned over to the railroad, and then the bill of lading is sent to the manufacturer. But, if the containers are not received by the manufacturer in a reasonable length of time, then they must be traced and found or the credit is disallowed since shipping the containers back f.o.b. our plant is not customary with the firms supplying us.

The great difficulty in former times was returning the containers within the period of time allowed by some manufacturers. Certain manufacturers require that drums be returned within a certain length of time or they are non-returnable; while in other instances a rental charge is made on drums held over this period, as is also the case with some gas cylinders. The tendency with these packages is to use the last ones received and either pay rent on the others or else have them declared non-returnable. In order to avoid this in connection with drums, especially since they are left in the open and it is difficult to check up the serial numbers and thus tell which has been received last, and also in order to receive credit as quickly as possible, storage tanks were built. Now, as soon as a shipment is received, the material is emptied into one of the storage tanks and the packages returned almost immediately. This is likewise carried out as far as possible in the case of carboys. Of course the charge for the drums must be paid in either case, since when the goods are paid for in ten days after date of invoice, the bill is paid in a great many instances before the goods are received.

Carboys are charged for at \$5.25 by one concern, and a separate charge of 25c is made for the stopper and

50c for the hat. Upon returning for credit the three items are also credited separately. If the glass bottle is broken, an allowance of \$2.00 is made for the box.

Hilo Varnish Co.—Any drums received are shipped back as soon as possible since it is not to our advantage to have capital tied up in other people's property. For the same reason, it is desirable to obtain credit on these packages as soon as possible. In the case of material that is received and dumped immediately, shipments being received every four or five days and the drums of one shipment being returned at the time of the second shipment, no deposit is paid. In this case the manufacturer bills for the drums, but the consumer simply crosses it off and pays only for the material. In the case of the manufacturer objecting to this procedure, the fact is remembered the next time an order is placed, and if price and quality are the same, then the order naturally goes to the manufacturer who allows the most leeway.

In the case of drums received and not emptied for two weeks or more the deposit is always paid, and when drums are sent back, the amount of credit due is deducted from the bill outstanding. This is quite necessary when all bills are discounted and paid in ten days, as otherwise credit is not usually received for thirty days. Drums shipped to customers are not credited until they arrive at the plant, but very little difficulty is encountered on this point for when a drum goes astray, it is immediately traced from both ends and is ordinarily quickly located. Drums costing \$9.50 are billed at \$8.00, and drums costing \$11.50 are billed at \$10.00. Of course when business is slack, it is much better for the seller to have the drums in the buyers' hands and the cash in the sellers' banks; but when business is brisk, it is far better to have the drums returned as soon as possible in order to avoid the purchase of a larger supply of drums that will only lie around and rust when and if business slows down. We estimate that the cost of putting a 55 gallon drum for our use back in commission is \$1.75 or 3c per gallon.

National Sugar Refining Co.—No trouble is had with carboys shipped in at our plants, as the shipping is all done by truck and when a hundred carboys are received a hundred are taken away. A large quantity of material is received in light drums that are bought in quantity by the manufacturer at a very low cost; these drums are non-returnable and are scrapped, the cost of them amounts to only a few cents per pound of the material shipped in them.

On most returnable drums as received by us, no credit is allowed on them until they are back in the manufacturer's plant; sometimes this takes quite a long time and letters must be written to remind the manufacturer that credit has not been received. The drums however are practically always in good condition when received and when returned, and we lose no credit on this account.

For example, phosphoric acid was formerly received in returnable oak barrels, and when the barrels were received they were always in very poor condition, many of them being on their last trip. When these barrels were returned, frequently credit was denied because the barrels were not fit to use again. This condition was finally remedied satisfactorily by our company buying its own oak barrels; then when acid was wanted the necessary number of barrels was sent to the manufacturer and the manufacturer shipped the acid in barrels owned by ourselves, the buyer.

The large consumer, we believe, has very little trouble with the returnable container question, and can generally have his own way in the minor details. But the

small consumer has great difficulty in this matter, as can be imagined.

Drums shipped out by us are immediately charged to the customer's account and are included on the bill for the goods. At times, some customer hesitates to send the payment for the drums, and must be reminded, but this is not common.

Further opinions and description of methods for handling returnable containers by big consumers and manufacturers will be published in next week's issue of **DRUG & CHEMICAL MARKETS**, Dec. 10.

GERMAN CHEMICAL EXPORT PRICES STIFF

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Hamburg, Germany, Nov. 22.—In the Hamburg export market prices are stiff except for bromine salts. Glauber's salt is in good demand and the factories are well employed. General business is not brisk, which may partly be attributed to the uncertain home and foreign political situation. There seems little prospect of improvement until the trade agreements under negotiation with foreign countries are concluded. Average export prices are as follows:

Caustic potash, 88/92%, per 100 kgs.....	\$13.00
Caustic soda, 125/128%, per ton	\$15.10
Hypsulphite of soda, cryst., per ton	\$7.5
Betanaphthol, per ton	\$66.
Sulfate of magnesia, per ton	\$32.6
Bromide of potassium, per 100 kgs.....	\$64.00
Bichromate potassium, per 100 kgs.....	\$18.75
Pernanganate of potash, per ton	\$46.10
Sulfate of copper, per ton	\$20.5
Alum in pieces, per ton	\$7.17.6
Alum powder, per ton	\$7.10
Oxalic acid, per ton	\$21.15
Potash calc. 96/98%, per ton	\$21.
Potassium chlorate, per 100 kgs.....	\$8.40
Chrome alum, cryst., per ton	\$18.10
Acetic acid, 80%, per ton	\$38.
Acetic acid, 98/100%, per ton	\$46.
Sulfate of soda, cryst., per 100 kgs.....	\$1.15
Sulfate of soda, calc., per ton	\$3.

AMERICANS MAY MAKE NITRATES ABROAD

American capital is interested in Norwegian nitrates, according to the "Journal of Commerce", which states that either the DuPont company or Henry Ford is contracting for 500,000 hydro-electric horse power in Norway. The Norwegian officials refuse to divulge the name of the American company, but it is understood that offers of \$6 per horse power year have been made, though some contracts are understood to have been made in recent years at \$5. At \$6 per horse power year for 500,000 horse power it is estimated that a new company would be on a fair basis of competition with the Norsk Hydro which is operating plants at Notodden and Rjukan. At Notodden 80,000 horse power is being used while at Rjukan a total of 250,000 horse power is being used in two plants and a third station, now in progress of construction, will be larger than either of the two previous units. Power development costs, estimated by the United States Tariff Commission, are placed at about 18 kroner per horse power annually. Costs today, however, are said to be much higher, and 25 kroner is placed as a minimum under most favorable circumstances.

Proposals for furnishing 4,500 lbs. of liquid hydrocyanic acid will be opened at 2 o'clock p.m. Dec. 19 by the Director of Purchases and Sales of the United States Department of Agriculture, Washington, D. C. The acid is to be used at El Paso, Texas, and other points on the Mexican border. Bidders are to quote f.o.b. shipping point.

WHO'S WHO— in the Chemical Industry

Charles W. Brown, mgr. Chgo. branch Innis Speiden & Co. Born, Crandall, Tex. Mar., Edith M. Quailly, June, 1905. Educat.: North Western Univ. Business: For last 15 years mgr. Chgo. branch Innis Speiden & Co. Member: Hamilton Club (Chgo.), Drug & Chem. Club (N.Y.), Chem. Club (Chgo.).

Edward Hegeler Carus, pres. Carus Chem. Co., La Salle, Ill. Born, LaSalle, Ill., Aug. 16, 1890. Mar., Dorothy Blouke, Chicago, Sept. 24, 1921. Educat., Univ. of Wis., B.S. 1912; Univ. of Chicago., Ph.D. Cum Laude 1921. Business: Secy. Matthiessen & Hegeler Zinc Co.; pres. Apollo Metal Works; pres. Carus Chem. Co. Member: Tau Beta Pi Fraternity, Phi Lambda Psi Fraternity, honorary member Engineering & Chem. Fraternity. Hobbies: Mathematics, golf, sailing.

Charles Lester Gabriel, vice-pres. Commercial Solvents Corp., Terre Haute, Ind. Born, New York, Sept. 28, 1891. Mar., Ruth Katz, Far Rockaway, N. Y., June 5, 1923. Educat.: Mass. Institute of Technology, B.S. 1912, M.S. 1913. Business: Tide Water Oil Co.; Barrett Co.; General Gas Mantle Co.; supt. Baryta Mfg. Co.; Port Morris Chem. Wks.; Commercial Solvents Co., 1920, Western sales mgr., sales mgr., asst. to the pres., vice-pres. of sales and development. Lieut. Chem. Warfare Service. Member: Chemists Club; Amer. Chem. Soc.; Amer. Legion; Military Order World War; Chem. Salesmen Assn.

Charles Hardy, pres. Charles Hardy, Inc., New York City. Born, Wandsbeck, Feb. 13, 1880. Mar., Inez Barrar, London, Oct. 22, 1906. Educat.: Colleges in England, Germany and United States. Business: Pres. N. J. Metal Salts Co.; dir. N. J. Concentrating Co.; Chas. Hardy & Rupert; 1923, Chas. Hardy, Inc. Member: Lawyers, Old Colony, Deal Golf Clubs, and var. Brit., Germ. and Amer. tech. societies. Author numerous articles on tungsten, molybdenum, chromium, manganese, etc., for var. chem. publicat. Hobbies, golf and water sports.

Alfred F. Lichtenstein, pres. and treas. Amer. branch, Ciba Co., Inc., New York City, and Basle, Switzerland. Born, Brooklyn, N. Y., Aug. 6, 1876. Mar., Anna Boyd, North Adams, Mass., June 9, 1905. Educat.: Brooklyn Polytech. Inst., B.S. '96; post-grad. work at Univ. Berlin, 1896-97. Entered bus. with Tartar Chemical Co., N. Y., 1897-98; Passaic Pt. Wks., Passaic, N. J., and Arnold Pt. Wks., No. Adams, Mass., 1898-1905; Geisenheimer & Co., 1905, partner 1908; Aniline Dyes & Chem. Inc., pres. treas. 1918-21; sold out to Soc. Chem., Ind.; head of Basle and appt. gen. mgr. Amer. Branch Feb. 1, 1921. Member: Amer. Chem. Soc., Chemists, Railroad and Collectors Clubs. Hobby, postage stamps.

Julius Henry Daniel Rodier, vice-pres. and sales mgr., Grasselli Chemical Co., Cleveland, O. Born, Centerville, Pa., Mar. 8, 1862. Mar., Susanna P. Wisener, Beaver Falls, Pa., Oct. 9, 1888. Educat., public schools. From 17-21 years age sold everything in general store of his father, Centerville, Pa.; in furniture bus. 1883-86; entered employ Grasselli Chem. Co. as office mgr. Beaver Falls Wks., Nov., 1886; trans. to sales dept. at Cleveland, 1889; memb. Sales Comm., 1890; chairman, 1900; vice-pres., 1924; dir. of var. subsidiary corps. Member: Union, Westwood, Clifton, Campfire Clubs (Cleve.), Mason. Hobby, camping and fishing.

OCTOBER CHEMICAL EXPORTS HIGHEST OF ANY MONTH, TOTALLING \$13,393,633

Fourteen Per Cent Above October, 1923—October Imports Less Than Last Year—Glycerin the Outstanding Import Commodity—Sodium Nitrate Imports Increasing

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., Dec. 3.—The United States trade in chemicals and allied products during October, according to preliminary figures just released by the Chemical Division of the Department of Commerce, showed a favorable condition with exports and imports both in excess of the September figures. The exports, amounting to \$13,393,633, were the highest for any single month during the year, and were 14 per cent above October of last year. The imports, on the other hand, with an aggregate value of \$14,647,173 were 8 per cent less than for October of last year. Discussing the chemical foreign trade in detail the Chemical Division says:

Exports of acids and anhydrides advanced from 1,180,689 pounds, valued at \$63,642 in October, 1923, to 2,185,466 pounds, valued at \$79,686 in October, 1924, but due to the large receipts of arsenious acid, imports were considerably above exports and equalled \$202,511 in the current October, a loss, however, of 34 per cent from October, 1923.

Larger amounts of aluminum sulfate, acetate of lime, copper sulfate, chlorate of potash, and sodas and sodium compounds were shipped to foreign countries this October, than in last October, while ammonia and ammonium compounds, calcium carbide, bleaching powder, dextrine, formaldehyde, glycerin, and bichromate of potash sales showed marked declines. The outstanding commodity of the import trade was glycerin, imports of which during the past month amounted to 3,045,598 pounds, valued at \$342,489.

Exports of fertilizers and fertilizer materials were decidedly favorable during the past October when the value of the shipments rose 53 per cent from \$1,075,041 (63,739 tons) in October, 1923, to \$1,650,973 (102,371 tons) in October, 1924. This figure, however, was but one-fifth of the imports, although the rate of increase of the imports was but 8 per cent.

Imports of sodium nitrate continued on the upward swing with a total of 70,454 tons, valued at \$3,248,656 having been received. Receipts of muriate of potash also advanced from \$403,271 (12,439 tons) in October, 1923, to \$515,117 (19,731 tons) in 1924.

During October, 1924, the foreign trade in coal tar chemicals continued to reflect the same conditions as had been evident for the past few months, that is, in general, both imports and exports have been slightly below those of the corresponding period in 1923. Imports, valued at \$1,376,468 in October, 1924,—43 per cent less than in the preceding October—were considerably in excess of the exports which were valued at \$751,831.

The bulk of the imports was comprised of dead or creosote oil and colors, dyes, stains, 47 per cent for creosote oil, and 46 per cent for dyes, while 71 per cent of the exports were accounted for by colors, dyes and stains.

While the exports of dyes rose 13 per cent in value from \$474,215 in October, 1923, to \$538,099 in October, 1924, the quantity dropped 30 per cent, from 1,543,869 pounds, to 1,079,935 pounds.

Copper sulfate is used in British Columbia in considerable quantity for dipping nets used in the salmon fisheries, according to the American consul at Vancouver.

The Heavy Chemical Market

Current Spot Quotations for Heavy Chemicals, page 1702-1704

CARBON TETRACHLORIDE BASIS HIGHER

Increased Demand Lessens Competition—Domestic Caustic Potash Lower—Tin Salts Higher for December—Potassium Carbonate Up—Acid Phosphate Advanced—Sodium Nitrite Stronger—Industrial Chemicals Firmer

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced	
Acid phosphate, 50c ton	Potassium carbonate, ¼c to ½c lb.
Ammonium sulfate, 5c 100lb.	Tin bichloride, ½c lb.
Carbon tetrachloride, ¼c to ½c lb.	Tin oxide, 2c lb.
Tin crystals, 1c lb.	Tin tetrachloride, 1c lb.
Declined	
Barium chloride, Dom., \$2.50 ton	Potash, Caustic, Dom., ¼c lb.

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acetic Acid, Glacial...lb.	\$1.11	\$1.11	\$1.11	\$1.12½	\$1.19½	\$1.07
Sulfuric Acid, 66 deg. ton	14.00	14.00	14.00	13.00	55.00	20.00
Ammonium Sulfate, 100lbs.	2.75	2.70	2.60	3.00	7.50	2.65
Bleaching Powder, 100lbs.	1.90	1.90	1.90	1.50	9.50	1.50
Copper Sulfate, c/1 100lbs.	4.60	4.60	4.60	4.90	20.00	4.50
Potash Caustic, imp...lb.	.07¼	.07¼	.07¼	.07	.87	.08
Soda Ash, 58 p.c....100lbs.	1.94	1.94	1.94	1.94	3.50	.60
Caustic Soda, 76 p.c.100lbs.	3.66	3.66	3.66	3.66	9.50	1.42
Potassium Bichromate...lb.	.08¼	.08¼	.08¼	.09½	.65	.06¼
Sodium Prussiate, Imp.lb.	.09	.09	.09½	.13	1.25	.18
Average	2.921	2.916	2.911	3.041	10.79	2.99

Although a number of advances were recorded in the heavy chemical market during the week, still business was not at all brisk, probably due to the holiday breaking into the week. The advances in tin salts were expected as the price of the metal was higher during the month of November. Increased demand for carbon tetrachloride, however, is the cause of the price advance in that item, the market price of which has been hard to determine as competition has been very keen and transactions were reported in most cases to have been made at confidential terms. It now appears that this condition is ended and the market for this product is on a firm basis. Contract business is being closed but many manufacturers are not anxious to make contracts just yet as they anticipate higher prices in quite a number of products. Heavy chemicals, which were doubtless at their low point during the past month, seem to be in an upward movement and some factors think that the consumer should have covered himself during the month just ended. On the other hand the opinion is expressed

that the markets will bear close watching for a little time to come and that although a great many items will doubtless advance in price due to increased demand, other products that are by-products will command a lower price due to the fact that they will be produced in larger quantities.

Acid Acetic—Reported moving in increasing quantities at unchanged prices, though lime acetate is reported stronger. Quotations as to quantity in barrels are: 28%, \$3.12@3.37; 56%, \$5.85@6.10; glacial, \$11.01@11.76.

Acid Formic—Firm and in steady demand. Prices are unchanged, 11c@11½c lb. for 85%, and 11½c@12c lb. for 90%.

Acid Lactic—Continues firm at recent levels, dark 22%, 5c@5½c lb.; 44%, 10c@10½c lb.; light, 22%, 6c@6½c; 44%, 12c@12½c lb.

Acid Oxalic—Moving in fair volume at unchanged prices, 9½c@10c lb. spot as to quantity.

Acid Phosphate—Advanced by makers and now quoted at \$9.50 per ton, 16%, bulk, at works.

Ammonium Sulfate—Higher and in steady demand. Now quoted \$2.75@2.80 per 100 lbs., bulk works.

Arsenic—Continues dull at unchanged prices, although the Japanese is a trifle firmer. Quoted at 6c lb. for shipment, and 6¼c@6¾c lb. for spot goods.

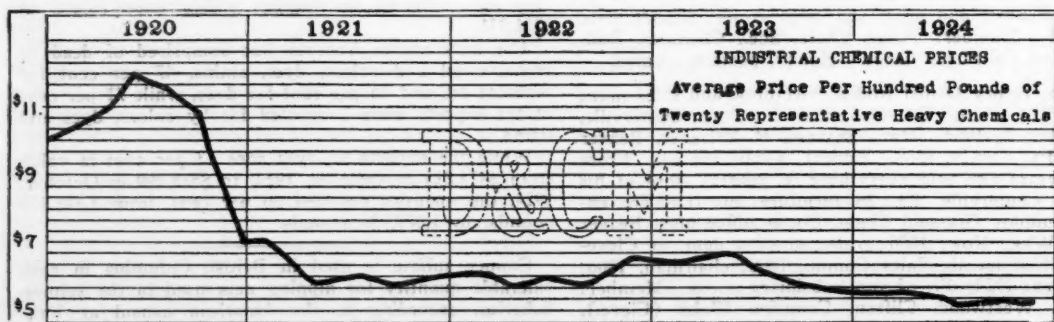
Barium Products—Continue weak with imported chloride quoted \$63@65 per ton. Domestic is offered down to \$70.00@72.50 per ton in bags, as to seller. The carbonate is quoted \$54@55 ton for imported; domestic, \$64 ton, works.

Bleaching Powder—Contract business reported as satisfactory. Prices quoted \$1.90@2.05 as to quantity. Spot price 10c above contract price.

Carbon Tetrachloride—Much firmer due to increased demand with resulting moderation of competition. Now quoted, 6¾c@8c lb. as to quantity.

Copper Sulfate—Moving in fair volume at unchanged prices. Domestic continues to bring \$4.60 for carlots, and imported at \$4.50@4.60, although \$4.40 can still be done on odd lots.

Potassium Carbonate—Prices advanced though the market is dull. Now quoted, 80-85% calcined, 5½c@5¾c lb.; 90-95%, 6c@6½c; 99%, 7c@7½c; 80-85% hydrated, 5¼c@5½c lb.



Potash Caustic—Now quoted by both importers and domestic manufacturers at $7\frac{1}{2}c@7\frac{1}{4}c$ lb.

Soda Ash—Satisfactory business reported transacted during the week at current prices. Makers quote contract prices on 58%, light, \$1.25, bulk, \$1.38, bags; \$1.63 barrels, carlots, works. Local business, New York, \$2.04@2.19, bags; \$2.29@2.44, barrels, delivered.

Soda Caustic—Contract business reported to be increasing. Prices quoted, \$3.10 for 76% solid, carlots, works, on contract; ground and flake, \$3.50; spot works, all 10c higher; New York local business, \$3.76@3.91 for solid, and \$4.16@4.31 for ground and flake, delivered.

Sodium Nitrite—Reported very active at makers prices $9\frac{1}{4}c$ lb. spot; 9c lb. December shipment; $8\frac{1}{2}c@8\frac{3}{4}c$ lb. on contract. Imported quoted $9\frac{1}{4}c@9\frac{1}{2}c$ lb. spot.

Sodium Prussiate—Continues firm at recent levels. Spot goods offered at $9\frac{1}{4}c$ lb. for domestic, and 9c lb. for imported.

Tin Salts—Prices advanced for December due to higher price of metal during the past month. Oxide, 58c@60c lb.; bichloride, $15\frac{1}{2}c$ lb.; crystals, $38\frac{1}{2}c@39c$ lb.; tetrachloride, $31\frac{1}{2}c$ lb.

Unofficial reports from Japan indicate that International Match Corp. has secured practical control of Japan Match Co. Management of all amorphous phosphorus factories has been taken over for five to ten years, to enable the corporation to limit output and increase prices.

The Bureau of Supplies and Accounts, Navy Department, Washington, D. C., will take bids until Dec. 9, for 9,000 lbs. of sheet lead, for the Mare Island Navy Yard, as per Schedule 2933. Also for 1,400 lbs. of monel metal for the same yard, Schedule 2934.

The Domestic and Foreign Commerce Department, Chicago Association of Commerce, Chicago, has received an inquiry (4175) from a concern at Camaguay, Cuba, in the market for chemicals used in the manufacture of soda water and matches.

An allowance of drawback on sulfate of alumina manufactured by General Chemical Co., New York, at Brandywine Hundred, Del., with the use of imported crude bauxite, is announced by the Treasury Department.

Southern Arsenic & Mineral Products Co., Atlanta, Ga., announces the discovery of an arsenic deposit of 1,454 acres carrying extensive deposits of arseno-pyrite rock, near Cragford, Ala., 115 miles from Atlanta.

C. H. Collins of Toronto, has been appointed receiver of Chemical Products, Ltd., of Canada, pending reorganization. The company manufactures fertilizers and chemicals.

P. W. Alexander, of Wessel, Duval & Co., New York, is on a business trip to Chile visiting the firm's nitrate of soda interests.

The telephone number of W. F. George Chemicals, Inc., 42 Broadway, has been changed from Broad 5428 to Hanover 6940.

Cephus C. Smith has resigned from the Potash Importing Corp. of America. He was formerly connected with the German Kali Works.

The sulfuric acid plant of Nichols Chemical Co., Capleton, Que., was destroyed by fire Nov. 25 with loss estimated at \$50,000 to \$75,000.

FERTILIZER MERGER IS RUMORED

(Special to DRUG & CHEMICAL MARKETS)

Baltimore, Dec. 3.—The depressed situation in the fertilizer trade for several years past is responsible for reports that Virginia-Carolina Chemical Co., International Agricultural Co., American Agricultural Chemical Co. and Davison Chemical Co. may be merged. It is pointed out that Virginia-Carolina is now in receivership, International Chemical has paid no dividends on the preferred stock since April, 1921 (accumulations now amounting to not less than 67 per cent) and that American Agricultural suspended preferred dividends in April, 1915. Among the benefits possible from consolidation are reduction in overhead, increased efficiency and better earnings. Officials of the companies refuse to talk.

FORM TWO NEW CHEMICAL COMPANIES

Manahan Chemical Co., New York, was recently incorporated to import, export, and deal in industrial chemicals and fertilizer materials. The active heads of the new firm are E. H. Manahan and A. C. Johann, both of whom were formerly connected with Eugene Suter & Co., New York. The offices of the company are located at 90 Wall st. and telephone numbers are John 2138 and 2139.

Industrial Commercial Chemical Co., New York, has also been organized, and began business Dec. 1 at 30 Church st. This new firm is headed by George Ashworth, who has been connected with the New York sales staff of Dow Chemical Co. for the past seven years. The firm will act as sales agents in the Eastern territory for several domestic manufacturers, and also deal in the general line of industrial chemicals.

Roessler & Hasslacher Chemical Co., in their November price list, says: "The election is over! If we are to take the response of the security market as an indication of the country's feelings, apparently the majority of industrial and agricultural interests are well satisfied. It therefore would appear as though the advice in our October list, for buyers to anticipate their requirements, still holds good, as unquestionably the industrial response, although it is to be expected will be later than that of the financial market, will be just as great and, barring unforeseen events, will continue for the greater part of next year."

Dr. A. B. Lamb, of Harvard University, former director of the Government nitrogen laboratory and now its consultant, is handling the royalty arrangements, licensing and other details connected with patents obtained by employees of the fixed nitrogen laboratory. The patents are held in trust by Dr. Lamb for the laboratory employees, all of whom share in the royalties from such patents. Under the trust arrangement, however, the Government has a right to a non-exclusive license under any and all of the patents so held. Fourteen patents have been issued to laboratory employees since 1921.

Nitrate lands auctioned on Sept. 15 by the Chilean Government in the provinces of Tarapaca and Antofagasta were estimated to contain 38,042,610 metric quintals of commercial nitrate, according to Commercial Attache Ralph H. Ackerman, Santiago. The sum received by the Government amounted to 20,124,517.86 gold pesos of 18 pence.

The Pittsburgh meeting of the American Institute of Chemical Engineers will be held Dec. 3-6. Announcement is also made that the Summer meeting will be held in Providence and a joint meeting with the British Institute of Chemical Engineers in July, 1925.

The Intermediate and Dye Market

Current Spot Quotations for Intermediates, see Chemicals, page 1710

ORTHO-TOLUIDINE ADVANCED TO 17c LB.

Scarcity and Increased Demand Accounts for Rise—Aniline Oil Strong—Higher Producing Costs Holding Up Contracts—Naphthalene Firmer—Pyridine Imports Heavier—Prices Easier—Cresylic Acid Dull—Benzene Demand Continues Active

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced
Ortho-Toluidine, 3c lb.

Declined
Pyridine, 10c gal.

	Trend of the Market					
	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Benzene, pure	gal. \$25	\$25	\$25	\$21	\$1.10	\$25
Naphthalene, flake	lb. .05½	.05½	.05	.06½	.16	.03
Phenol, Spot	gal. .25	.25	.25	.26	1.50	.08
Toluene	gal. .26	.26	.26	.23	..	..
Aniline Oil	lb. .16	.16	.16	.16	1.40	.10½
Alpha-naphthylamine	lb. .35	.35	.35	.35	1.28	..
Benzaldehyde	lb. .70	.70	.70	.75	..	..
Betanaphthol	lb. .24	.24	.26	.26	1.50	.08
Dimethylaniline	lb. .35	.35	.35	.40	1.30	..
Paranitroaniline	lb. .66	.66	.68	.74	1.58	.18
Average	0.327	0.327	0.331	0.342	..	..

The apparent nearness of an impending increase in the price of aniline oil has been the feature of the market in dyes and intermediates during the week. Demand is steadily on the increase and as soon as it is deemed sufficient to eliminate keen competition the price will likely go higher. Production costs are also stated to be higher. A further weakening in pyridine and cresylic acid was recorded, although other crudes remained firm with naphthalene strengthening considerably. Few price changes were recorded due to the fact that any slackening in demand for any product was thought to be due to the holiday breaking into the week and that more business could be expected this week. Benzene production showed only a slight increase during the week and it is estimated that in about thirty days coking operations would begin to show a decided increase. One factor looks for a falling off in price but no change is anticipated until some time well after the turn of the year.

Crudes

Benzene—The situation has changed but little since last week. Prices remain at recent levels, with production slightly increased. Steel operations are not

thought to be broadening sufficiently to cause an appreciable increase in coking operations before the first part of January. It is thought that the present prices will prevail for at least a month after which a slight reaction may be recorded, though no sharp break is expected. Coking operations have somewhat increased but in a great many cases bee-hive ovens have been lighted but these do not yield any by-products. Prices hold at 25c gal. for pure in tanks at mills, and 30c gal. in drums. Ninety degree material unchanged, 23c gal. in tanks, and 28c in drums, mills.

Cresylic Acid—Weaker due to continued lack of demand with 95% dark quoted at 55c@60c gal. in most quarters; and 97-99% is quoted at 60c@65c as to seller and quantity, with some odd lots being offered as low as 58c gal.

Naphthalene—Market much firmer due to the fact that odd lots offered below the market price are about exhausted and refiners are holding firmly to their schedule. Little business is being transacted but contracting for the coming season is beginning to take place at the makers' prices. Prices are quoted, flake, 5½c@6c lb. as to quantity; balls, 6½c@7c per lb. as to quantity, in barrels, works. Chipped is offered at 5c lb. in bags, works.

Phenol—Moving in fair volume and prices continue steady at 24c@26c lb. as to packing; indestructible drums, 24c lb.; destructible drums, 25c@26c lb.

Pyridine—Demand slack and price lower due to accumulation of stocks. Quoted openly in several quarters at \$3.85 per gal., while others are asking up to \$4.00 per gal. A total of 52 drums was imported at New York during the week.

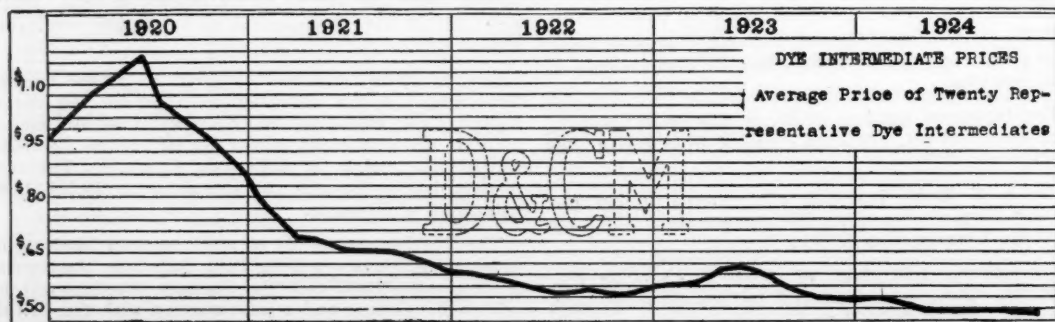
Toluene—Moving in slightly increased quantities with prices showing no change. Still quoted at 26c per gal. in tanks at mills; and 31c gal. in drums.

Intermediates

Acid H—Another slight increase in demand reported with prices at recent levels of 72c@75c per lb. from makers.

Aniline Oil—Increases in the cost of production have caused the makers to hesitate to contract at current prices. On the other hand the production in the country is so great that competition will not permit an advance in price. Makers are still quoting 16c@17c lb. as to quantity.

Beta-Naphthol—Moving in increased volume at manu-



facturers' recent price announced for the coming year of 24c per lb. in less carload shipments.

Diethylaniline—Price unsettled in some quarters with one maker refusing to quote. However, goods are still available from some manufacturers at unchanged prices of 58c@61c per lb.

Dimethylaniline—Moving in fair volume at 35c@37c per lb. from makers.

Ortho-toluidine—Price advanced due to decided increase in demand and shortage of supplies in manufacturers' hands. Large quantities are now used in the flotation process in mining and also as an accelerator in the rubber industry. Manufacturers generally are now quoting 17c@18c per lb. in 350-lb. barrels.

TREASURY ISSUES DYE STANDARD LIST

Washington, D. C., Nov. 26.—Dye standard list No. 13 has been issued by the Customs Department of the Treasury, showing the standards of strength and the imported products identical with the standards. First the standard product is given and indented under each standard is the identical product:

1 n	S.824 C.1137	Algol Orange R., 12½% Paste .....(By)
		Algol Orange R., Pastes & Powder....(By)
		Grelanone Orange R B.
		Pastes & Powder .....(Gr-E)
2 n	S.221 C.238	Anthracene Acid, Brown G. ....(C.)
3 n	(C.P)	No identical product
4 n	S.899 C.1230	Chrome Printing Red Y .....(D-H)
		Ciba Grey B. 20% Paste .....(J.)
5 n	(V)	Ciba Grey B. Pastes & Powder .....(J.)
		Ciba Printing Black B. 20% Paste.....(J.)
6 n	(D.d)	Ciba Printing Black B. Pastes & Powd.....(J.)
		Diazophenyl Black V. ....(G.)
7 n	S.207 C.629	No identical product
		Diphenyl Fast Brown G. F. ....(G.)
8 n	(D.4)	No identical product
		Formal Fast Black G. Conc. ....(G.)
9 n	S.920 C.1219	No identical product
		Helindone Violet B. 20% Paste .....(M.)
10 n	C.173	Helindone Violet B. Pastes & Powder.(M.)
		Metachrome Violet B. ....(A.)
11 n	(M)	No identical product
		Metachrome Violet 2 R .....(A.)
12 n	S.533 C.706	No identical product
		Methyl Lyons Blue No 410 .....(G.)
13 n	(D)	No identical product
		Oxamine Fast Pink B B X. ....(B.)
14 n	S.606 C.793	Minaxo Light Pink B B X. ....(B.)
		Philadelphia Yellow 2 G. ....(A.)
15 n	(A)	No identical product
		Polar Orange R. Conc. ....(G.)
		No identical product
Additional Names of Dyes Corresponding to Dyes Already Adopted as Standards		
42	S.851 C.1087	Alizarine Direct Blue B. ....(M.)
12 s	S.673 C.829	Alizarine Levelling Blue B. ....(C.)
		Azocarmine B X. ....(B.)
168	S.581 C.1134	Azocarmine B. Extra .....(B.)
		Ciba Blue 2 B D. 16% Paste .....(J.)
294	S.918 C.1212	Indigo M.L.B./4 B. Pastes & Powder..(M.)
		Helindone Red 3 B. 20% Paste .....(M.)
312	C.1114	Ciba Red 3 B. Pastes & Powder.....(J.)
		Anthrene Blue BCS 20% Paste ....(Newport)
329	S.831 C.1162	Cibanone Blue G. Pastes & Powder....(J.)
		Indanthrene Red BN Extra 12½% Paste..(B.)
349	S.305 C.670	Vat Red B N. Pastes & Powder .....(B.)
		Pontacyl Light Green S F Yellowish....(Dpt)
		Acid Green Conc. ....(M.)

Foundation Co. is to erect a coke plant at Troy, N. Y., and the contract has been awarded to McClintock Marshall Co., Pittsburgh. It is estimated that 1,100 tons of steel will be necessary for the structure.

French dye interests are reported on the verge of making commercial arrangements with Swiss manufacturers to meet German competition.

FRENCH MAKE OVER 600 DYES

Of the half-dozen substantial dyestuffs makers in France, writes J. H. Cahill, commercial counselor to the British Embassy, Paris, the most important, the Societe des Matieres Colorantes et de Produits Chimiques, created during the war with a capital of 40 millions, which was subsequently increased to 70 and to 100 million francs, has been regularly making during the last two years over 600 dyes covered by nearly 1,000 registered patents; and its monthly output alone has recently (e.g., since November) been exceeding the estimated total monthly French consumption of 800 tons. Apart from the manufacture of the dyes in most demand, such as blacks, blues, and other standard colors, it has also produced and exported large quantities of indigos. Two other important producers of dyestuffs are: Societe des Matieres Colorantes de Saint Denis (capital 24 millions, which was raised in May, 1924, to 30 million francs) and Societe Francaise de Produits Chimiques et Matieres Colorantes de St. Clair du Rhone (capital 8 millions).

DU PONT HELPS EMPLOYEES TO SAVE

Du Pont Co. has announced a savings plan and a new stock investment plan for employees. Under the new savings plan employees whose earnings do not exceed \$3,000 a year may subscribe for "Du Pont thrift certificates" up to the value of 20 per cent of the annual salary, but not exceeding \$500 at any one time. Interest will be allowed at the rate of 6 per cent per annum.

Under the stock investment plan employees who are not directors may subscribe for the company's 5 per cent cumulative debenture stock at \$92 a share, payable in whole or in monthly installments. The subscriptions are limited to 20 per cent of the employee's annual salary, but in no case to be more than ten shares, and the company reserves the right to accept subscriptions for the coming year of not more than 6,000 shares.

Imports of aniline and coal tar dyes into Canada in September were: From Britain, 12,215 lbs. value \$7,075; United States, 72,932 lbs. value \$45,300; Germany, 18,208 lbs. value \$11,334; Netherlands, 5,496 lbs. value \$7,688; Sweden, 1,000 lbs. value \$445; Switzerland, 6,370 lbs. value \$5,351; other countries, 2,667 lbs. value \$682; total 125,889 lbs., value \$77,954; compared with imports in September 1923. From Britain, 13,167 lbs. value \$7,075; United States, 151,268 lbs. value \$80,632; Germany, 16,849 lbs. value \$12,292; Netherlands, 20,315 lbs. value \$16,555; Sweden, 51,205 lbs. value \$23,489; Switzerland, 7,729 lbs. value \$10,234; other countries 2,420 lbs. value \$1,177. Total 242,953 lbs. value \$151,454.

Under the Dawes plan for reparations settlement, the German chemical and dye industries will bear 8 per cent of the burden represented by the issue of 5,000,000,000 gold marks of industrial debentures in Germany. Mining and ore working industries will bear 20 per cent of the total, machinery and electrical industries, 17 per cent, and the textile industry, 7 per cent. The remaining 48 per cent, it is understood, will be allocated later among various German industries.

Frick Co., Pittsburgh, has fired about 1,000 coke ovens in Fayette and Westmoreland counties, Pennsylvania. Several independent operators have increased their activities. Republic Iron & Steel at Republic, Snowden Coal Co. and the Searights plant of Bourne-Fuller Coke Co. have increased their operations recently. At Searights 150 additional ovens were fired last week. Oliver & Snyder Steel Co. has placed 200 coke ovens on the active list at its plants near Uniontown.

The Oil Market

Current Spot Quotations of Oils, Tallows, Greases, page 1727

LINSEED OIL LOWER, SPOT AND FUTURE

Decline in Seed Market and Lack of Demand Brings Reduction—Chinawood Oil Higher for Spot and Shipment—Rapeseed Oil Easier—Cottonseed Oil Higher—Palm Oil Active—Fish Oils Firm—Oleo Oil Lower—Tallow Firm—Turpentine Down

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced		Declined	
Chinawood oil, $\frac{1}{4}$ c lb.	Grease, yellow, $\frac{1}{4}$ c lb.	Linseed oil, 4c gal	Oleo oil, $\frac{1}{4}$ c to $\frac{1}{2}$ c lb.
Cottonseed oil, crude, $\frac{1}{4}$ c lb.	Sesame oil, $\frac{1}{4}$ c lb.		
Cottonseed oil, P.S.Y., $\frac{1}{4}$ c lb.			

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre. War
Cod Oil, N. F.....gal.	\$.62	\$.62	\$.62	\$.68	\$1.26	\$.26 $\frac{1}{2}$
Degras, American, bbl.lb.	.04 $\frac{1}{4}$	.04 $\frac{1}{4}$	.04 $\frac{1}{4}$	.03 $\frac{1}{4}$	.23	.03 $\frac{1}{2}$
Lard No. 1.....gal.	.98	.95	.95	.79	2.90	.92
Menhaden, crd. tks.....gal.	.57 $\frac{1}{2}$	.57 $\frac{1}{2}$	.54	.47 $\frac{1}{2}$	1.20	.33
Neatsfoot, 20 deg. c.t. gal.	1.57	1.57	1.53	1.74	3.45	.57
Red Oil, distilled.....lb.	.10 $\frac{1}{2}$	.10 $\frac{1}{2}$	.10 $\frac{1}{2}$	.09 $\frac{1}{2}$	.17	.07
Stearic Acid, T. P.....lb.	.14	.14	.13 $\frac{1}{2}$	.14 $\frac{1}{2}$	.33	.12
Coconut, Ceylon, bbls.....lb.	.11 $\frac{3}{4}$	.11 $\frac{3}{4}$	.11 $\frac{3}{4}$	.10	.90	.14
Cottonseed, crude, tks.lb.	.09 $\frac{1}{2}$	.08 $\frac{1}{2}$	.08 $\frac{1}{2}$	.10	.23	.06
Linseed, crude.....gal.	1.05	1.10	1.06	.92	1.85	.57
Olive, denatured.....gal.	1.30	1.30	1.30	1.10	4.50	1.05
Peanut, refined.....lb.	.17	.17	.17	.15 $\frac{1}{2}$	.30	.98
Soya Bean, bbls.....lb.	.14	.14	.13 $\frac{1}{2}$	.11	.19 $\frac{1}{2}$	.07
Average.....	0.508	0.511	0.508	0.455	1.20	0.362

The past week was a comparatively quiet one in the market for fixed oils. Although a fair volume of business was transacted and the large number of firm items suffered no reactions, still the bullish element recorded a few advances. Linseed oil eased off further due to the lower seed market and also because the consumers were still holding off owing of the high prices. Chinawood oil continues firm abroad and although the spot and future markets here are higher than a month ago, still oil cannot be bought abroad as cheaply as here. At present little is being bought by consumers and the bulk of the business is being done with dealers. Imported oils generally are scarce due not to an exceptionally active demand but to a demand that was not anticipated by importers. The total amount of business being done is much greater than was anticipated at the time orders were placed abroad. Consequently spot markets are very firm and when dealers turn to primary markets they find the same condition existing. Fish oils remain firm with a decided shortage anticipated in menhaden oil.

Vegetable Oils

Castor Oil—Continues in steady demand at unchanged prices of 17c lb. for No. 3, and 17 $\frac{1}{2}$ c lb. for No. 1.

Chinawood Oil—Very firm and active due to dealers buying in anticipation of higher prices since quotations abroad are higher than here. The future is uncertain with some dealers foreseeing a falling off in demand due to increase in lacquers being substituted for varnishes and others anticipating a firm market for six months. Quoted at 16c@16 $\frac{1}{2}$ c lb. spot, in barrels; 16c@16 $\frac{1}{2}$ c for Dec.-Jan. shipment. Tank shipments are available at 14 $\frac{1}{4}$ c lb.

Coconut Oil—Continues firm due to scarcity of spot goods. Prices at recent levels of 10 $\frac{1}{4}$ c lb. for Manila material; 10 $\frac{1}{4}$ c@10 $\frac{3}{4}$ c lb. for Ceylon, tanks N. Y.; Manila tanks at Pacific Coast are quoted at 9 $\frac{3}{4}$ c lb.

Corn Oil—Still scarce and for supplies on hand sellers are naming for crude 10c lb. in buyers' tanks, mills; and for refined 13c lb.

Cottonseed Oil—Remains firm and in increased demand with P.S.Y. higher at 11 $\frac{1}{4}$ c@11 $\frac{3}{4}$ c lb. as to position; crude is higher at 9 $\frac{1}{4}$ c@9 $\frac{1}{2}$ c lb.; winter yellow firm at 12 $\frac{1}{4}$ c@13c lb.

Linseed Oil—Easier due to lower seed market and dullness during past two weeks because of recent higher prices. Most consumers are reported as partly covered. Market was very active before prices were raised. Dec.-Feb. now generally quoted at \$1.06 gal. for carloads; Mar.-Apr. quoted at \$1.07 per gal. London quotes 45/9 per 112 lb. and Antwerp, 410f per 100 kilos, both markets being lower. Flaxseed prices opened this week with Winnipeg, Dec. \$2.34 $\frac{1}{2}$; May \$2.44; Duluth, Dec. \$2.61 $\frac{1}{2}$; May \$2.70 $\frac{1}{2}$; Minneapolis, Dec. \$2.63; May \$2.71 $\frac{1}{2}$; Buenos Ayres, Dec. \$2.22 $\frac{1}{4}$. All these markets were lower than last week.

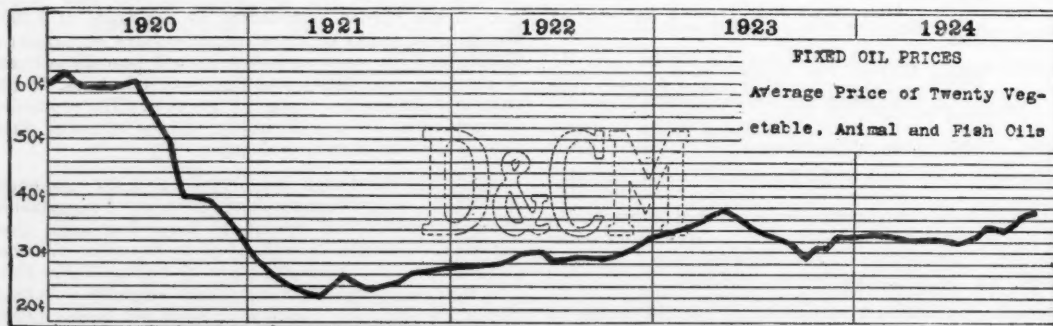
Olive Oil—Scarce and firm at \$1.30@1.35 for denatured; 9 $\frac{3}{4}$ c@9 $\frac{1}{2}$ c for foots, spot.

Palm Oil—Steady at 9 $\frac{3}{4}$ c@10c lb. for Lagos and 8 $\frac{3}{4}$ c@9c lb. for Niger.

Rapeseed Oil—Continues firm on spot but shipment is easier. Spot named at 99c@\$1.00 gal. and 97c@98c for forwards. Blown \$1.06@\$1.08 gal.

Sesame Oil—Higher due to scarcity and quoted at 14 $\frac{3}{4}$ c@15 $\frac{1}{2}$ c lb. spot.

Soya Bean Oil—Crude firm at 12 $\frac{3}{4}$ c@12 $\frac{1}{2}$ c lb. bbls., spot. Dec.-Jan. at Pacific Coast 11 $\frac{1}{2}$ c in tanks.



INDUSTRIAL CHEMICAL SECTION

Animal Oils

Greases—In steady demand at unchanged prices except yellow which is higher at 9¼c lb.

Oleo Oil—Lower and now quoted at 19c@20c lb. for No. 1; No. 2 17c lb.; No. 3 16c lb.

Red Oil—Firm at recent prices although an increase is expected. Makers name 10¾c@11¼c lb. for distilled and saponified.

Stearic Acid—In active demand at 12c@12½c lb. for double pressed and 14c@14½c lb. for triple pressed.

Tallow—Firm at recent advance to 10c@10¼c lb. N.Y.

Fish Oils

Cod Oil—Firm and in fairly good demand at 55c@57c gal. spot in tanks; 62c@65c in barrels.

Menhaden Oil—Firm and in active demand with shortage anticipated. Quoted at 57½c@60c gal. tanks, works. Refined, 70c@72c for light strained; yellow bleached 73c@75c; extra bleached 75c@77c gal.

SOAP OUTPUT INCREASED 15 PER CENT

Establishments engaged primarily in the manufacture of soap report the output in 1923 valued at \$276,402,838, an increase of 15.1 per cent compared with 1921, the last preceding census year. Of the 270 companies reporting for 1923, says the Census Bureau, 43 were located in Pennsylvania, 41 in New York, 26 in Ohio, 25 in Massachusetts, 25 in Illinois, 21 in California, 14 in New Jersey, and the remaining 75 in 21 other States.

In 1921 the industry was represented by 283 establishments, the decrease to 270 in 1923 being the net result of the loss of 54 establishments which had been included for 1921, the addition of 40 new establishments, and two reports for 1923 for plants covered by one report for 1921. Of the 54 establishments omitted, 28 had gone out of business before the beginning of 1923, 10 had been engaged primarily in the manufacture of soap in 1921, but reported cleaning and polishing preparations and dyestuffs and tanning materials as their principal products for 1923, eight were idle throughout the year, and eight reported products valued at less than \$5,000 in 1923. Of the 40 establishments first classified in this industry for 1923, 37 were new to the census and three had been engaged primarily in the manufacture of lubricating oils in 1921.

Dr. George W. Carver, negro professor of Tuskegee Institute, recently told the Women's Board of Domestic Missions of the Reformed Church of America, that he had made 100 useful products from the sweet potato, including rubber, coffee, candy, dyes, paste, paint, starch, vinegar, ink, shoe blacking and molasses, and 165 products from the peanut. A large factory is now being erected outside Tuskegee for the manufacture of paint from the sweet potato.

The seventh international olive oil congress will be held in Seville, Spain, Dec. 5 to 10. The program includes the classification of the olive species, cultivation, preservation, transportation, production of olive oil, production and consumption statistics, nutritive value, refining and analysis of olive oil.

A. D. Joyce, president of Glidden Co., says sales in October were \$2,000,000, the largest month in the Glidden company's history. The company's new lithopone unit at Baltimore is now in operation and this will double the capacity of the plant for 1925, giving a total production of 15,000 pounds, which is already contracted for.

TURPENTINE AND ROSIN OUTPUT DOUBLED

Companies manufacturing turpentine and rosin from crude gum report products valued at \$35,166,715 for the crop year ended March 31, 1924. This represents an increase of 50.9 per cent compared with \$23,300,845 for the year ended March 31, 1922, the last preceding biennial census year, according to the Census Bureau. Of the 1,203 establishments reporting for 1923-1924, 540 were located in Georgia, 429 in Florida, 131 in Alabama, and the remaining 103 in Louisiana, Mississippi, North Carolina, South Carolina, and Texas.

The total production of turpentine by all classes of establishments increased from 24,820,620 gallons during the crop year 1921-1922 to 29,781,944 gallons during the crop year 1923-1924, the rate of increase being 20 per cent; and the output of rosin increased during the same period from 1,690,971 barrels to 1,990,865 barrels, the rate being 17.7 per cent.

Although turpentine and rosin are produced principally from crude gum, considerable quantities are made by the distillation of wood, by both the steam and destructive processes. Last year 2,607,364 gallons of turpentine and 200,778 barrels of rosin were produced by this method. These quantities represent increases of 490.2 per cent and 584.2 per cent, respectively, compared with the calendar year 1921.

TURPENTINE DROPS 2 CENTS; ROSINS FIRM

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Savannah, Ga., Dec. 1.—Turpentine closed the week firm, 76¾@77c, a decline of 1¼c from the price a week ago. Demand has not been sufficient to take up the receipts except at gradually lower prices. A slight improvement at the close of the week was regarded as a turning point and sellers are anticipating improved conditions during the coming week. Stocks have gradually been increasing. Receipts for the week, 2,832 bbls.; sales reported, 1,863 bbls.; additional P. T. sales; shipments, 2,190 bbls.; stock, 12,750 bbls.

Rosins closed the week firm with prices 20c up on X and at the outside quotations of the previous day on other grades. The better grades have reached the highest point of the year, while the lower grades are only about 30c under the recent peak price of the year. Demand appears to be improving and December is expected to see gradual price advances. Receipts for the week, 12,869 bbls.; sales, 8,057 bbls.; shipments, 15,130 bbls.; stock, 80,895 bbls.

Jacksonville, Nov. 29.—Turpentine closed steady, 77c, with bids of 76¾c refused. Stocks increased to 25,746 bbls. Rosins demand has been fair with prices firm. Stocks, 106,767 bbls.

In a report to Governor Silzer on the investigation of the manufacture of tetra-ethyl lead, which caused the death of five and sickness to forty employees of Standard Oil Co. at Bayway, N. J., Dr. Andrew F. McBride, State Commissioner of Labor of New Jersey, opposes the further manufacture of tetra-ethyl lead by the process formerly in use on the ground that "experience has demonstrated that workmen cannot be safeguarded against the effects of poisonous contact." Tetra-ethyl lead is the substance used in "ethyl gas" to remove the "knock" in automobile engines. In a report of an investigation by the American Chemical Society, directed by Harrison E. Howe, editor of the official journal of the society, it is stated that it would be "folly" to discontinue the manufacture of lead tetra-ethyl because of what has happened.

Eagle-Picher Lead Co., Chicago, will hold its annual sales managers' meeting in Chicago on Dec. 8-10.

Chemicals for Consuming Industries

Heavy Chemicals, page 1702, Tan and Dyestuff, page 1729, Fatty Oils, page 1727

STRONGER TONE IN CHEMICAL PRICES

Price Advances During the Week More Numerous—Manufacturers Report Increased Buying—Consumers Interested in 1925 Contracts—Approach of Inventory Season Holding Up Current Buying—Stocks Generally Low

While current buying of chemicals is spasmodic at present owing to the approach of the annual inventory season and consumers of chemicals consequently tending to keep down their purchases and stocks until after the turn of the year, contract business for 1925 is moving along very satisfactorily, according to manufacturers. Buyers are more interested in being taken care of for the coming year than in recent years and many consumers are planning on increasing their requirements. As for chemical prices, a gradual strengthening is taking place in the market and price advances during the week have been more numerous but more widely distributed among the various products. Many items appear to be ready for an advance the moment demand shows any sign of increasing. Another factor which is lending strength to the market is the meagre stocks in both consumers' and producers' hands.

Agricultural Chemicals

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acid Sulfuric, 66°.....ton	\$14.00	\$14.00	\$14.00	\$15.00	\$55.00	\$20.00
Ammonium Sulfate, 100lbs.	2.70	1.65	2.60	3.00	7.75	2.65
Arsenic .....	.0654	.0654	.0654	.135	.18	.04
Copper Sulfate .....100lbs.	4.60	4.60	4.60	4.60	20.00	4.50
Paris Green .....	.25	.25	.25	.29	.80	.11
Potash Muriate, 90%.....ton	34.55	34.55	34.55	35.55	475.00	39.57
Potash Sulfate, 90%.....ton	45.85	45.85	45.85	45.85	440.00	48.07
Phosphate Rock, 68%.....ton	2.25	2.25	2.25	3.25	11.00	3.00
Phosphate, Acid, 16%.....ton	9.00	9.00	9.00	8.00	21.00	15.00
Sodium Nitrate .....100lb.	2.40	2.42½	2.38	2.42½	5.00	1.90
Average	11.547	11.545	11.560	11.827	103.50	13.84

During the past week no increase in activity in fertilizers was reported, and dealers are still marking time waiting for the business that should make itself felt about the end of this month. Acid phosphate has been advanced by the manufacturers. Fish scrap continues very scarce with prices nominal. Copper sulfate remains quiet one week and active the next for no ap-

parent reason. Arsenic is reported firmer abroad, although this is not reflected in the spot prices. Ammonium sulfate has been advanced. Tankage is stronger.

Ammoniates—Dried blood remains steady at recent reduction to \$3.70 per ton, New York, and \$3.75, Chicago; steamed bone is still quoted \$22@23, Chicago, and raw is unchanged, \$33 per ton, New York; fish scrap continues to bring \$4.90 at works for dried and \$4.00 for acid, Baltimore and Norfolk; ground tankage is higher and named at \$3.40, New York; high grade, Chicago, is quoted \$3.20 and 10c.

Ammonium Sulfate—Spot business remains quiet with goods still quoted at the recent advance to \$2.70@2.80 per 100 lbs. bulk. Deliveries contracts continue to be the mainstay of the manufacturers. Double bags f.a.s. New York are quoted nominally at \$3.00 per 100 lbs. but practically no goods are available for export. For single bags, works, \$2.90 per 100 lbs. is quoted.

Sodium Nitrate—Remains steady on spot and for shipment. Spot goods are obtainable at recent decline to \$2.40 per 100 lbs.; and shipments for Jan.-March are still quoted at \$2.45@2.47½ per 100 lbs.

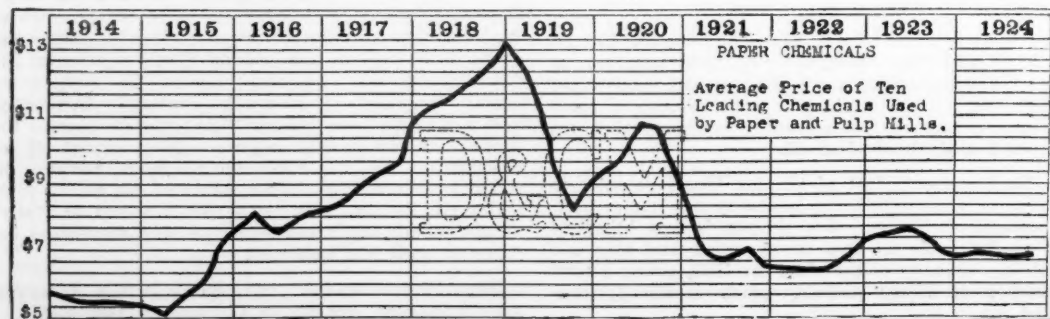
Potash Salts—Spot business continues quiet and shipments are being made regularly on contract. Situation practically the same as reported last week. Prices remain at recent levels from manufacturers of \$34.55 per ton for muriate, 80% basis; sulfate, 90% basis, \$45.85 per ton; manure salts, 30% basis, \$26@35 per ton; discounts up to 10% for 500 tons.

Phosphate, Acid—Producers have advanced their prices and now quote \$9.50 ton for the guaranteed 16% material.

Insecticides and Fungicides

Arsenicals—Another dull week was experienced in arsenic with 6¼c lb. remaining as the spot quotation and business still reported transacted at 6c lb. The Japanese material was firmer, and although still quoted at 6c lb. the reports that business could be done at 5¼c or 5½c were proven to be unfounded when factors abroad refused firm offers of 5½c lb. Calcium arsenate remains dull at recent price of 8c lb. with few sales in spite of the large stocks still being held by manufacturers.

Copper Sulfate—Remains firm at unchanged prices. Makers here are still reported to be holding the prices down because of competition, but as soon as the demand is great enough it is expected that prices will



INDUSTRIAL CHEMICAL SECTION

be advanced by all makers since the metal is still selling at a point above that at which it was selling when the sulfate price was made. Carlot quantities of domestic goods are still quoted at \$4.65 per 100 lbs., for shipment, and the imported material is quoted at \$4.50@ \$4.60 per 100 lbs., although odd lots are still available in certain quarters at \$4.40, spot. Imported for shipment is named at \$4.70. Copper carbonate remains dull at 16c@17c per lb.

Leather Chemicals

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acid, Acetic, 28%	\$3.12	\$3.12	\$3.12	\$3.38	\$17.00	\$1.50
Acid, Formic, 90% .....	.12	.12	.12	.12½	1.50½	.07
Acid, Lactic, 22% dark....	.05	.05	.05	.04½	.07	.02
Potassium Bichromate ....	.08¾	.08¾	.08¾	.09½	.65	.06¾
Epsom Salt, tech.	1.70	1.70	1.70	1.80	3.75	1.00
Sodium Prussiate, lmd....	.09½	.09½	.09½	.11½	1.25	.18
Soda Ash, 58% wks.....	1.39	1.38	1.38	1.38	4.10	.69
Sodium Bichromate .....	.06¾	.06¾	.06¾	.07½	.45	.04¾
Sodium Hyposulfite, pea..	2.50	2.50	2.50	2.75	3.75	1.80
Sodium Sulfide, 60% wks..	.03¾	.03¾	.03¾	.03¾	1.0½	.02½
Average .....	.925	.925	.925	.980	3.267	.528

Little change is reported in the market for leather chemicals and tanning materials. While a slight improvement in buying is reported from time to time the total consumption of chemicals is far from normal. Prices are holding steady at recent levels in chemicals. A few tanning materials are in limited supply and high. Fish oils are firm and tending upward owing to lack of stocks.

Acids—Supplies are moving out regularly in routine quantities. Prices are steady with acetic holding at \$3.12@ \$3.37 for 28% as to quantity; 56%, \$5.85@ \$6.10; glacial, \$11.01@ \$11.76; formic acid is held at 11c@12c lb., according to seller and grade; lactic acid is firm owing to the higher costs of production; dark, 22%, 5c@5½c lb., and light, 6c@6½c lb.; 44%, dark, 10c@10½c lb., and light, 12c@12½c lb.; oxalic acid is moving at 9½c@10c lb. as to seller; mineral acids, muriatic and sulfuric, are unchanged.

Alkalis—Producers are in the height of the contracting season and report advance business well up to normal and with prospects of an exceedingly good year ahead. Contracts are being placed at the recently announced schedule. Soda ash, carlots of 58% light at works, on contract, bulk, \$1.25; bags, \$1.38; barrels, \$1.63. L.c.l. business around New York, \$2.04@ \$2.19 in bags, and \$2.29@ \$2.44 in bbls.; caustic soda on contract, \$3.10 for carlots of 76% solid in drums at works; ground and flake, \$3.50; spot works, 10c higher. Spot business in l.c.l. quantities, \$3.76@ \$3.91 for solid and \$4.16@ \$4.31 for ground and flake.

Chemicals—Prices changes have been lacking though most products are firm at recent levels. Bichromates are moving at 8½c@8¾c lb. for the potassium and 6½c@6¾c lb. for the soda; sodium prussiate appears firmer though imported soda is still selling at 9c@9½c lb., spot, and domestic is held at 9½c lb.; potassium prussiate, yellow, 17c@17½c lb., and red, 37c@38c lb.; red arsenic named at 15c@15½c lb.; sal ammoniac, imported, named at 6c@6½c lb., and domestic, 7½c lb.; Glauber's salt is steady, \$1.25@ \$1.50, for domestic; Epsom salt moving \$1.35 for imported technical, and \$1.75

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PLANTS Marquette and Antrim, Mich.

for domestic; carbon tetrachloride is higher, 7c@7½c lb.; sodium hyposulfite is unchanged, 2½c@3c lb.; sodium sulfide is unsettled owing to keen competition; solid selling at 3c@3½c lb., and crystals, 2¼c@2½c lb.

Tanning Materials—Limited supplies are still reported in a number of items. Gambier is scarce and higher at 20c lb. for common; liquid, 14c@16c lb.; chestnut extract, 1¾c@2c lb.; solid fustic, 14c@20c lb. as to grade; myrobalans extract, 4c@4½c lb.; quebracho, 3c@4c lb. for liquid, and 4½c@5c lb. for solid; hypernic, 14c@18c lb.; sumac, 6c@7½c lb. for liquid, and 11c@12c lb. for stainless. Sumac leaves are scarce and firm at \$170@ \$175 ton; divi divi, moving at \$42@\$43 ton; myrobalans, \$42@\$44 for R1 and J2; J1, \$45@\$47 ton; valonia beard, \$50 and cups, \$32 ton.

Presentation of the Tanners Council new research laboratory to the University of Cincinnati was the outstanding feature of the annual meeting of the Tanners Council of America at Cincinnati, Nov. 18-20. Fraser M. Moffat, president of the Council, made the presentation and it was accepted by President Hicks of the University of Cincinnati. Located on the University grounds and erected at a cost of \$110,000, raised by the Tanners' Council, the laboratory will be conducted for research and studies of the fundamentals of leather manufacture. Prof. G. D. McLaughlin will be director of the laboratory.

Experts of the Chemical Division of the Department of Commerce are completing their work in connection with the survey which they made of dyes used in the calf tanning industry.



Paper Chemicals

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Aluminum Sulfate	\$2.40	\$2.40	\$2.40	\$2.40	\$5.50	\$1.50
Bleaching Powder	1.90	1.90	1.90	1.25	9.50	1.50
Casein .....	.10½	.10½	.10½	.11½	.28	.20
China Clay, Dom.	10.00	10.00	10.00	10.00	25.00	8.00
Chlorine c/l Cyl. ....	.05½	.05½	.05½	.04	.50	.08
Salt Cake	19.00	19.00	19.00	21.00	80.00	11.00
Sodium Silicate, 40% .....	.80	.80	.80	.80	1.75	2.00
Soda Ash, 58% wks.	1.38	1.38	1.38	1.38	4.10	.60
Sulfur	18.00	18.00	18.00	18.00	65.00	20.00
Rosin F grade	7.55	7.60	7.30	5.60	4.50	20.25
Average	6.124	6.119	6.094	6.368	13.30	5.60

Demand for paper chemicals is showing a steady improvement. Mills in the West are reported more active while New England mills are increasing consumption of chemicals. Contracts in bleaching powder and liquid chlorine are progressing satisfactorily. Chemicals prices holding steady.

Alkalis—Producers are in the height of the contracting season and report advance business well up to normal and with prospects of an exceedingly good year ahead. Contracts are being placed at the recently announced schedule. Soda ash, carlots of 58% light at works, on contract, bulk, \$1.25; bags, \$1.38; barrels, \$1.63. L.c.l. business around New York, \$2.04@\$2.19 in bags, and \$2.29@\$2.44 in bbls.; caustic soda on contract, \$3.10 for carlots of 76% solid in drums at works; ground and flake, \$3.50; spot works, 10c higher. Spot business in l.c.l. quantities, \$3.76@\$3.91 for solid and \$4.16@\$4.31 for ground and flake.

VICTOR CHEMICAL WORKS


CHICAGO, ILL.

Tri-Sodium Phosphate

Phosphate of Soda
Epsom Salts
Ammonium Phosphate
Phosphoric and Formic Acids

BRANCHES
New York
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INDUSTRIAL CHEMICAL SECTION



1816 CHEMICALS 1924

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Murphysboro, Ill.
Owego, N. Y.

Bleaches—Makers are placing contracts at the recently announced schedule of prices. Buyers are accepting the situation though prices are higher than those for this year. Bleaching powder on contract named at \$1.90 in carlots of large drums at works; less than carlots, \$2.05; spot works prices, 10c higher; small drum prices, 25c above standard drum prices. Liquid chlorine on contract, 4c lb. in tanks at works; carlots of cylinders, 5½c lb.; less than carlots and over ton lots, 7c lb.; less than ton lots, 8c lb. spot works prices, ¼c lb. above contract prices.

Chemicals—Aluminum sulfate is moving on a basis of \$2.25@2.35 for the iron-free and \$1.30@1.35 for the commercial; blanc fixe is steady, \$75@80 ton; sodium silicate, 75c per 100 lbs. in tanks, and 80c@85c in drums; salt cake is moving on a basis of \$18@19 ton.

Sizings—Casein is holding at 10c@10½c lb. for the standard material, while a few offerings are reported slightly under these figures. Rosins are beginning to move again in better volume. Prices have been fairly steady in the lower grades, while the better grades are tending higher. Quotations, New York, B to K, \$7.55; M, \$7.65; N, \$7.95; WG, \$9.30; WW, \$9.70.

WANT HIGHER DUTY ON CHINA CLAY

The Tariff Commission is making a survey of the china clay situation and it is probable that legislation will be offered at the forthcoming session of Congress proposing higher rates of duty on both crude and china clays. The existing law carries a duty of \$2.50 per ton on kaolin and \$1 per ton on unwrought or unmanufactured clays. Producers of clay in this country are apprehensive of greatly increased imports as a result of

the dissolution of the association of producers in Great Britain. It is understood that the British producers are engaged in a price war. In the course of this competitive struggle, which has as its objective the elimination of some of the British producers, it is feared that large contracts will be made here at less than the cost of production.

Rubber Chemicals

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Antimony Sulfide Crim....	\$.30	\$.30	\$.39	\$.35	\$.45	\$.35
Carbon Bisulfide .....	.06	.06	.06	.06	.50	.10
Carbon Black .....	.09	.09	.12	.15	.30	.14
China Clay, Imp.	16.00	16.00	16.00	16.00	20.00	14.00
Hexamethylene .....	.82½	.82½	.82½	.97	1.35	..
Iron Oxide, Span. ....	.03	.03	.03½	.04	.04½	.05
Lithopone .....	.06½	.06½	.06½	.05	.08	.04
Sulfur	3.05	3.05	3.05	2.50	6.50	2.75
Whiting, Dom.	14.00	14.00	14.00	18.00	30.00	11.00
Zinc Oxide, Amer. ....	.08	.08	.08½	.07	.09½	.09
Average	3.458	3.458	3.464	3.820	5.931	..

While the price of carbon has not changed, the market is somewhat firmer, and several manufacturers are contemplating an advance in prices soon. Business transacted in rubber chemicals in November shows a slight reduction over October. Buyers are keeping stocks low in order to show small inventories at the end of the year. Some orders are now being taken for delivery the first part of January. Imported whiting and talc have been moving in fair volume.

Acid—Acetic remains quiet with holders naming \$3.12

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WEST CONSHOHOCKEN, PA.

@\$3.37 cwt. for 28% material; \$5.85@\$6.10 for 56%; \$8.19@\$8.44 for 80%, commercial; and \$11.00@\$11.75 for glacial material.

Accelerators—Business has been less in volume than last month. Aniline oil is strong at 16c@17c lb. works, and 17c@18c lb. spot. Reports are heard that an advance is being talked of. Diphenylguanidine is steady at \$1.10@\$1.15 lb. spot as to quantity. In 1,000 lb. lots \$1.05 lb. can be done. Hexamethylene is in small demand at the moment at 82½c@85c lb. spot as to quantity. Quinoidine is quiet at 40c lb. spot in drums. Thio-carbanilide is in fair demand at 27c@29c lb. spot.

Colors and Compounding Materials—Although spot deliveries are small, some active business has been transacted for delivery next month. Antimony sulfurette is firmly held at 19c@24c lb. spot for golden, and 39c@50c lb. for crimson material. Blanc fixe is quiet at 4c@4½c lb.f.o.b. New York. Carbon black is firm at 9c@10c lb. spot in l.c.l. in cases for ordinary; 10c@11c lb. for air floated; and 9c@10c lb. for compressed material. Works is quoted at 6c lb. in c.l. with the possibility of an advance in the near future. Magnesium carbonate is steady at 7¼c lb. spot, and calcined 5¼c@6c lb. Talc is firm and active at \$14@\$15 ton works or \$25@\$26 ton ex-warehouse for domestic; French, \$40@\$45 ton; and Italian, \$60@\$80 ton. Whiting is also active at \$18@\$19 ton for imported, and \$13@\$14 ton for domestic.

Mineral Rubber—Supplies are moving into consumption along steady lines at \$35@\$75 ton as to quality.

Solvents—C. P. quoted easy at 15c@17c lb. works as to seller and quantity. Benzene, pure, is firmly held at 30c gal. works in drums, and 25c gal. in tanks.

Ninety per cent material is named at 23c gal. in tanks, and 28c gal. in drums. Carbon bisulfide is steady at 6c@6½c lb. spot as to quantity. Carbon tetrachloride higher at 7c@7½c lb. spot.

Sulfur—Demand routine only at \$3.05@\$3.30 cwt.; and refined, \$2.50@\$2.90 cwt. Sulfur chloride is quiet at 6c@7c lb. spot for red, and 5c@6c lb. for yellow material.

Textile Chemicals

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acid, Acetic, 28%	\$3.12	\$3.12	\$3.12	\$3.38	\$17.00	\$1.50
Acid Oxalic .....	.09¼	.09¼	.09¼	.12	.70	.07¼
Bleaching Powder	1.90	1.90	1.90	1.25	9.50	1.50
Copper Sulfate	4.65	4.65	4.65	4.80	20.00	4.50
Epsom Salt, U.S.P.	2.15	2.15	2.15	2.15	4.25	1.50
Glauber's Salt	1.25	1.25	1.25	1.30	2.80	.80
Potash, Caustic, Imp.....	.07¼	.07¼	.07¼	.07	.87	.12
Soda Ash, 58% wks.	1.38	1.38	1.38	1.38	1.10	.69
Soda Caustic, 76% wks....	3.10	3.10	3.10	3.10	9.50	1.80
Sodium Bichromate .....	.06¼	.06¼	.06¼	.07¼	.45	.04¼
Average	1.783	1.783	1.783	1.773	4.800	1.42

With textile mills gradually resuming operation on a broader scale, the demand for chemicals is increasing. Prices are beginning to show an upward tendency in a number of items. Carbon tetrachloride has strengthened. Tin crystals are slightly higher for December.

Acids—Supplies are moving out regularly in routine quantities. Prices are steady with acetic holding at \$3.12@\$3.37 for 28% as to quantity; 56%, \$5.85@\$6.10; glacial, \$11.01@\$11.76; formic acid is held at 11c@12c



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lb., according to seller and grade; lactic acid is firm owing to the higher costs of production; dark, 22%, 5c@5½c lb., and light, 6c@6½c lb.; 44%, dark, 10c@10½c lb., and light, 12c@12½c lb.; oxalic acid is moving at 9½c@10c lb. as to seller; mineral acids, muriatic and sulfuric, are unchanged.

Alkalis—Producers are in the height of the contracting season and report advance business well up to normal and with prospects of an exceedingly good year ahead. Contracts are being placed at the recently announced schedule. Soda ash, carlots of 58% light at works, on contract, bulk, \$1.25; bags, \$1.38; barrels, \$1.63. L.c.l. business around New York, \$2.04@2.19 in bags, and \$2.29@2.44 in bbls.; caustic soda on contract, \$3.10 for carlots of 76% solid in drums at works; ground and flake, \$3.50; spot works, 10c higher. Spot business in l.c.l. quantities, \$3.76@3.91 for solid and \$4.16@4.31 for ground and flake.

Bleaches—Makers are placing contracts at the recently announced schedule of prices. Buyers are accepting the situation though prices are higher than those for this year. Bleaching powder on contract named at \$1.90 in carlots of large drums at works; less than carlots, \$2.05; spot works prices, 10c higher; small drum prices, 25c above standard drum prices. Liquid chlorine on contract, 4c lb. in tanks at works; carlots of cylinders, 5½c lb.; less than carlots and over ton lots, 7c lb.; less than ton lots, 8c lb. spot works prices, ¼c lb. above contract prices.

Chemicals—Bichromates are moving on the basis of 8½c@8¾c lb. for the potassium salt, and 6½c@6¾c lb. for sodium; yellow prussiate of soda is still 9c@9¼c lb. for the imported and 9¼c lb. for domestic;

yellow prussiate of potash held at 17c@17½c lb., and red, 37c@38c lb.; copper sulfate in small lots held at \$4.75@4.90 for domestic; lead acetate, steady, 15½c lb.; Glauber's salt is unchanged at \$1.25@1.50 as to quantity for domestic; imported Epsom salt at \$1.35, and domestic, \$1.75; sodium acetate, 4¾c@5c lb.; sodium sulfide crystals, 2¼c@2½c lb.; sodium nitrite, 9¼c@9½c lb.; caustic potash held at 7¼c.

Starches and Dextrines—Demand has been showing a decided improvement with deliveries now heavier than at any time this year. Prices are unchanged with British gum holding at \$4.82@4.92; white corn dextrine named at \$4.52@4.62; yellow, \$4.57@4.67; potato dextrine, 8c@8½c lb. for white, and 7¾c lb. for yellow; powdered corn starch, \$3.97@4.07, and pearl starch, \$3.87@3.97.

Frederick Bode, formerly president of Gage Brothers, manufacturing milliners, has resigned as president of the Textile Color Card Association of the United States. Mr. Bode has held this position since the formation of the organization in 1922. William Hand, of John Hand & Sons, silk manufacturers, moves up from the vice-presidency to fill Mr. Bode's position until February, when the board of directors will meet.

Goodyear Cotton Co., Danielson, Conn., a branch of Goodyear Tire Co. of Akron, O., has announced a reduction in the wages of the employees of the plant, amounting to 10 per cent.

National Olive Oil Congress, at a meeting in Madrid, Spain, Nov. 12, adopted a resolution which calls for the grading of olive oil according to quality.



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NAMES LICENSEES OF CASALE PROCESS

The first complete list of licensees of the Casale process for the production of synthetic ammonia has been obtained by A. A. Osborne, assistant commercial attaché at Rome in a special report to the Chemical Division of the Department of Commerce. In addition to the license held by the Ministry of War for the 20-ton plant at Toulouse, other licenses have been extended in France as follows: Cie. de Produits Chimiques & Electrometallurgiques Alais Froges & Camargue, two 1-ton units being operated at St. Aubun; Cie. des Mines de Dourdes, two 7.5-ton units in construction; Societe des Mines de Lens, three 7.5-ton units in construction; Cie. des Mines de Vicoigne Noeux et Drocourt, two 7.5-ton units under construction; Cie. des Produits Chimiques de Roche la Moliere, two 7.5-ton units under construction; Cie. des Mines de Sarre et Moselle, two 7.5-ton units under contract.

Japanese rights have been obtained by Japan Nitrogen Fertilizer Co., Osaka, which is operating four 7.5-ton units at Nobeoka and estimates have been requested for three 15-ton units. The Spain licensee is Energia y Industrias Aragonesas, with two 7.5-ton units at Sabinanigo. In Switzerland the Ammonia Casale Co. and Usines Electriques de La Lonza have licenses and two 3.5 ton-units are under construction. The Societa Italiana Ammoniaci Sintetica has Italian license, operating two plants, one at Terni and one at Nera Montoro, the latter to be increased to 30-tons ammonia per day. In Belgium the S. A. des Fours a Coke Semet Solvay & Piette has two 7.5-ton units under construction. The Ammonia Co. of New York is operating two 7.5-ton units at Niagara Falls and assembling a third, and holds a general license, but fertilizer rights are excluded. Fertilizer rights are held by Hydroelectric Chemical Co., New York. Washington Irrigation and Development Co. is contemplating operations under the Casale patents at Priest Rapids on the Columbia River in Washington.

The utilization of this process received impetus by the recent action of the French Government in deciding in its favor after having paid 5,000,000 francs for the Haber-Bosch rights and after having decided to equip half of the Toulouse plant with another process.

ROESSLER & HASSLACHER TEAM WINS

Roessler & Hasslacher Chemical Co. bowling team won two games out of three from Biddle Purchasing Co. team in the Wholesale Drug Trade Bowling Tournament at the Colgate Alleys in Jersey City, Nov. 24. Cudahy of R. & H. had high single with 201, and Powell of Biddle rolled a 200 game. Colgate No. 2 team took three games from Lanman & Kemp team. Piasecki of the Colgate team rolled a single of 225, while Connelly of Lanman & Kemp had a 201 game.

Roessler & Hasslacher Chem. Co....	784	802	796
Biddle Purchasing Co.	837	686	738
Colgate No. 2	900	847	896
Lanman & Kemp	770	824	831

CHEMICAL EXPOSITION HAS NEW PLAN

Technical and commercial associations will hold a joint meeting with the Tenth Exposition of Chemical Industries during the week of Sept. 28 to Oct. 3, 1925, at the Grand Central Palace, New York. The nucleus of the meeting will be formed by chemical organizations while other groups, including pulp and paper, glass and ceramics, leather and tanning, photography and photochemistry, metallurgy, methods of testing materials, materials of chemical construction and engineering, fertilizer and allied interests will be represented.

INDUSTRIAL CHEMICAL SECTION

Trade Notes and Personals

Watts Chemical Co., Toronto, is putting on the market the first Canadian-made zinc dust.

Barclay & Co., New York, has begun the manufacture of Reuter's soap in a new plant at Morsemere, N. J.

Edward J. Lewis, formerly of Sherwin-Williams Co., will represent the Kentucky Color & Chemical Co., in the Chicago territory.

Chemical Service & Sales Corp., New York, has filed a certificate in the office of the Secretary of State dissolving its corporate existence.

Eastern River Chemical Co., Inc., New York, has filed a certificate in the office of the Secretary of State increasing the capital stock from \$10,000 to \$100,000.

Elvin W. Bennage, chief chemist of Youngstown Sheet & Tube Co., died in San Diego, Cal., Nov. 26. He went to California for his health several months ago.

Academy of Sciences, Stockholm, Sweden, has decided not to award the Nobel Prizes for Chemistry and Physics for 1924, and will reserve them for another year.

Charles F. Stodder, president of Woodley Soap Manufacturing Co., Boston, and general manager of India Alkali Works, Boston, died Nov. 23, at his home, 469 Commonwealth ave., Boston. He was sixty-five years of age.

Robert J. Anderson, formerly metallurgical engineer to the Bureau of Mines has finished a revision and extension of the treatise on metallurgy and application of aluminum by Dr. J. W. Richards. Publication is expected in January, 1925.

Sumac producers in Italy are holding up shipments to manufacturers in Palermo since the announcement of lower prices by manufacturers. Producers hold about 3,000 to 4,000 quintals and have decided to remain firm in resisting the lower prices.

The Association of Chilean Saltpeter Producers is planning to advertise Chile saltpeter on a more extensive scale and has requested the Government to increase the annual grant for publicity from £40,000 to £100,000, according to the London "Chemist and Druggist".

George A. Martin, president Sherwin-Williams Co., has announced the following promotions: Clarence G. Bull, general manager of manufacturing; Kenneth H. Wood, manager of varnish sales; Frank E. Davis, director of purchases; Glenn M. Spacht, in charge of retail sales.

The jury of award of the William H. Nichols Medal for 1925 has requested opinions from all sections of the American Chemical Society in the selection of the recipient. The medal is awarded by the New York section of the Society for the best original paper printed in the society publication during the preceding year.

Postmaster General New asks the co-operation of the public in the shop early, mail early, campaign which enabled his department to deliver all mail by noon on Christmas last year. The proper marking of packages with the name and address of the sender as well as that for whom the package is intended is strongly urged. Secure wrapping of all packages is also a great help to the postoffice department as well as a source of protection to the sender.

Foreign Trade Opportunities

The Department of Commerce, Washington, D. C., has received the following inquiries for drugs, chemicals and accessories. Reserved addresses may be obtained from the Bureau and its district and cooperative offices. Request for each opportunity should be on a separate sheet and state opportunity number. The Bureau does not furnish credit ratings or assume responsibility as to the standing of foreign inquirers; the usual precautions should be taken in all cases.

Alum, bleaching powder, salt cake	12123	Christiania, Norway ..Purchase
Anhydrous ammonia, oleum	12116	Teneriffe, Canary Isl's..Purchase
Borax and boric acid, powdered, in ton lots	12107	Goteborg, Sweden
Calcium cyanamide	12111	Antwerp, Belgium
Carbon black	12109	Heidelberg, Germany ..Agency
Carbon black	12112	Shanghai, China
Caustic soda and soda ash	12123	Christiania, Norway ..Purchase
Cellophane	12120	Amsterdam, Nether's ..Purchase
Chemicals	12105	Santo Domingo, Dominican Republic
Chemicals	12115	Berlin, Germany
Chemicals	12119	Brussels, Belgium
Chemicals, industrial	12113	Bombay, India
Chemicals for paper and pulp mills	12123	Christiania, Norway ..Purchase
Disinfectants	12115	Berlin, Germany
Fertilizers	12117	Swatow, China
Gelatin	12118	Brussels, Belgium
Glue	12114	Berlin, Germany
Glycerin	12118	Brussels, Belgium
Hydrosulphite of soda in 5 to 10 ton lots	12110	Vancouver, Canada ..Purchase
Matches	12113	Bombay, India
Naphthalene & linseed oil	12096	Alexandria, Egypt
Oil, peppermint	12121	Deventer, Netherlands..Purchase
Paints and oils	12145	Bahia, Brazil
Paints, pigments	12114	Berlin, Germany
Paints and varnishes	12113	Bombay, India
Rosin	12114	Berlin, Germany
Rosin and sulfur	12123	Christiania, Norway ..Purchase
Salts, Epsom and Glauber	12096	Alexandria, Egypt
Varnishes, automobile	12155	Berlin, Germany
Varnishes, lacquers	12150	Vienna, Austria
Waxes	12118	Brussels, Belgium
Drugs	12108	Tangier, Morocco
Drugs, crude	12105	Santo Domingo, Dominican Republic
Drugs, crude	12124	Kovno, Lithuania
Medicines, patent	12105	Santo Domingo, Dominican Republic
Medicines and remedies, package	12122	Shanghai, China
Pharmaceutical products	12106	Camaguey, Cuba
Pharmaceutical products	12115	Berlin, Germany
Pharmaceutical products	12119	Brussels, Belgium
Toilet preparations	12115	Berlin, Germany
Acetate of lime and methyl alcohol	12315	Stockholm, Sweden ..Purchase
Ammonia carbonate, barium carbonate, bichromate of soda and potash	12309	Goteborg, Sweden
Borax, powdered	12316	Halifax, Canada
Chloride of calcium and chloride of zinc	12309	Goteborg, Sweden
Dyes, aniline	12310	Bahia, Brazil
Dyes, coal tar	12312	Budapest, Hungary ..Purchase
Paints, paint pigments, white lead, linseed oil	12384	Barranquilla, Colombia..Agency
Phosphorus, sesquisulphide	12314	Milan, Italy
Polishes, metal and wood	12313	Calcutta, India
Potash, bicarbonate	12311	Antwerp, Belgium
Potash, carbonate	12309	Goteborg, Sweden
Rosin	12317	Goteborg, Sweden
Rosin and shellac	12312	Christiania, Norway ..Agency
Salts, Glauber	12309	Budapest, Hungary ..Purchase
Silicate of soda and sodium sulfide	12309	Goteborg, Sweden
Soda ash, sal soda, silicate of soda	12316	Halifax, Canada
Soda, bicarbonate	12309	Goteborg, Sweden

MATHIESON ALKALI EARNINGS ESTIMATED

Earnings of the Mathieson Alkali Works, Inc., for the final quarter of the year will be in line with results of the preceding three months when \$1.84 a share was returned on the common stock, after provision for preferred dividends but prior to deductions for federal taxes, says the "Wall Street News." As the company earned approximately \$3.23 a share on the 117,714 shares of common stock in the first nine months, after provision for estimated federal taxes, it appears that the company will show net earnings, after all charges and taxes, of approximately \$4.80 a share on the common stock for the entire year. In the preceding annual period, Mathieson reported net income of \$1,096,943, equal, after preferred dividends, to \$7.63 a share on the common stock.

Financial Notes

Hydrocarbon Products Co., New York, has increased its capital from \$10,000 to \$100,000.

Household Products, Inc., has declared an extra dividend of 50c payable Jan. 2 on stock of record Dec. 17.

Union Carbide & Carbon Corp. has declared a quarterly dividend of \$1.25 a share, payable Jan. 1 to holders of record Dec. 5.

American Can Co. has declared a quarterly dividend of 1 3/4 per cent on the preferred stock, payable Jan. 2 to stock of record Dec. 17.

Allied Chemical & Dye Corp. has declared the regular quarterly dividend of 1 3/4 per cent on the preferred stock, payable Jan. 2 to stock of record Dec. 15.

Interstate Products, 4311 Woodland ave., Cleveland, paint manufacturers and jobbers, have filed a voluntary petition in bankruptcy. Liabilities, \$29,461.39; assets, \$6,000.

Additional shares of Continental Can Co., Inc., were listed on the New York Stock Exchange last week to the amount of 66,313, making the total for trading 450,050 shares.

Directors of Kennecott Copper Co. have declared a cash dividend of 75 cents a share for the quarter ended Dec. 31. This dividend is payable on Jan. 2 to stockholders of record Dec. 5.

Corn Products Refining Co. additional shares totaling \$750,000 have been admitted to the trading list of the New York Stock Exchange. This brings the total Corn Products stock traded in to \$63,250,000.

On account of back dividends International Silver Co. directors have declared an extra dividend of 1/4 of 1 per cent, in addition to the regular quarterly dividend of 1 3/4 per cent on the preferred stock. Both dividends are payable Jan. 2, 1925.

The Federal Reserve Board reports slight increases in prices of chemicals in October. Production in basic industries increased 6 per cent, and was 16 per cent above the low point of midsummer, but still below the level of the early months of this year.

R. H. Luthin, Inc., New York, has filed a schedule in bankruptcy as follows: Liabilities, \$21,608; assets, \$12,292; main assets being stock, \$8,500, and fixtures, \$1,800; principal creditors Eastman Kodak Co., \$4,210; Mrs. M. Luthin, \$5,000; Bowery Bank, \$2,000.

Procter & Gamble Co. approved a proposal to increase the capital stock from \$24,000,000 to \$25,000,000 at a special meeting of stockholders, held at Chicago, recently. The capital increase will be used to pay the 4 per cent stock dividend to common stockholders, declared on Aug. 15.

F. W. Wheeler, chairman of the board of directors of American Can Co., following a meeting of the board at which the regular quarterly dividend of 1 3/4 per cent on the preferred stock was declared, stated that no division of the company's stock is contemplated. The question of dividends on the common issue will be taken up at the December meeting. Arrangements have been made for the retirement of the company's bonds falling due in 1928. The estimated earnings of the company for this year are \$19 per share after allowing for preferred stock dividends and all other charges.

QUOTATIONS ON CHEMICAL STOCKS

Closing Prices for Week Ending Nov. 22

Bid	Asked	Bid	Asked
*Air Reduction	86 87	Hercules Powder	88 92
*Allied Chem. & D., 7994	7994	Hercules Powd., pf. 103	105
*Allied Ch. & D., pf. 117 1/2	118 1/4	Heyden Chem.	2 1/2 3
*Am. Ag. Ch.	15 15 1/4	Hooker Electro	2 5
*Am. Ag. Ch., pf.	43 1/2 43 3/4	Hooker Electro, pf.	18 23
*Am. Chicle	35 1/2 36 1/2	*Household Products. 37	37 1/2
*Am. Chicle, pf.	89 90	*Int. Agricult.	34 1 1/4
*Am. Cyan. pf.	91 93	*Int. Agricult., new. 7 1/4	8
*Am. Druggist, S.	55 1/2 56 1/4	*Int. Agricult., pf.	24 1/2 24 3/4
*Am. Glue	39 41	*Int. Nickel	92 93
*Am. Glue, pf.	104 108	*Int. Nickel, pf.	92 93
*Am. Linseed	24 1/4 25	*Int. Salt	70 75
*Am. Linseed, pf.	46 46 1/4	*Mathieson Alk.	44 1/4 45
*Am. Metal	48 1/4 49	*Mathieson Alk., pf. 92	95
*Am. Zinc	8 1/2 9	MacAnd. & Forbes. 149	150
*Am. Zinc, pf.	81 82	MacAndrews & Forbes, pf.	99 101
Archer-Dan-Mid	23 23 1/2	Merck & Co., pf.	57 60
Archer-Dan-Mid, pf. 87 1/2	88 1/4	Merrimac	84 86
*Atlas Powder	51 53	Mulford Co.	80 83
*Atlas Powd., pf.	83 86 1/4	*National Lead	160 160 1/4
By-Prod. Co.	42 47	*National Lead, pf. 116 1/4	117
By-Prod. Co., pf.	102 102	N. J. Zinc	160 164
Canad. Ind. Al.	42 44	Niag. A. pf.	80 85
Canad. Salt	95 100	Parke, Davis & Co. 80 1/2	81
Casein Co.	62 66	Penn Salt	80 82
Celluloid Co.	55 60	*Peoples Gas, Chi.	114 114 1/4
Celluloid Co., pf.	96 99	Procter & Gamble. 100	103
Charcoal Iron	20 35	Procter & Gam., pf. 104	108
Ches. Mfg.	47 49	Royal Bkg. Pow.	145 150
Ches. Mfg., pf.	112 115	Royal Bkg. Pow., pf. 98 1/2	100
Clark Co., Fred	2 3 1/4	Shawinigan	4 6
Cleve. Chl. Iron	78 80	Shawinigan H.	130 132
*Com'l Solv. A.	90 97	Sherwin-Williams	30 32
*Do. B.	89 1/2 91	Sherwin-Williams, 1st pf. 103 1/2	105 1/4
*Corn Products	42 1/2 42 3/4	*Sterling Prod.	64 1/2 65 1/2
*Corn Products, pf. 121 1/4	122 1/4	Swan & Finch	20 24
*Davison Chem.	42 1/2 42 3/4	*Tenn. C. & Chem.	8 1/4 8 1/2
Dow Chem. non par. 59	61	*Tex. Gulf, Sul.	97 1/4 97 1/2
Dow. Ch., pf.	100 101	Union Carbide	59 1/4 59 1/2
Dow Drug Co.	100 101	*Un. Drug	106 107 1/2
Dow Drug Co., pf. 104	106	*Un. Drug 1st pf.	51 1/2 52
*Du Pont de Nem. 135 1/4	135 3/4	*Un. Dyewood	20 20 1/2
*Du Pt. de Nem. Db. 98	98	*Un. Dyewood, pf.	52 54
*Eastman Kodak	111 1/4 111 1/2	Un. Gas Imp.	87 89
*Eastman Kodak, pf. 110 1/2	111	Un. Gas Imp., pf.	86 87
*Freeport Tex.	11 1/2 11 1/4	U. S. Gypsum	127 132
*Genl. Asphalt	53 53 1/2	*U. S. Indus. Al.	84 1/2 85
*Genl. Asphalt, pf.	91 92	*U. S. Indus. Al., pf. 102	106
*Gold Dust	42 1/2 43 1/4	*Va. Car. Ch.	28 1/2 29
Grasselli	122 124	*V. Vivaudou	8 1/4 9
Grasselli, pf.	102 103	Will & Baumer	12 14

*Listed on New York Stock Exchange
Unlisted Stocks Through Courtesy Pynchon & Co.

FOREIGN EXCHANGE	Par	Current
Great Britain (pound sterling)	\$4.866	\$4.63
France (franc) .....	.183	.053
Italy (lira) .....	.193	.043
Germany (mark) per hundred	28.80	
Czechoslovakia (crown) per hundred	20.30	.080
Poland (zloty) .....	.193	.192
Japan (yen) .....	.489	.386
Holland (florin) .....	.402	.403
Spain (peseta) .....	.193	.136
Belgium (franc) .....	.193	.048
Switzerland (franc) .....	.193	.193
Norway (krone) .....	.268	.148
Sweden (krone) .....	.268	.269
Denmark (krone) .....	.268	.175
Argentina (peso) .....	.424	.381
Brazil (milreis) .....	.324	.114
India (rupee) .....	.485	.347
China (Silver dollar, Hongkong) .....	.789	.535
(Tael—Shanghai, silver)	1.986	.766
(Tael—Peking, silver)	1.156	.790

JUDGMENTS FILED BY CHEMICAL FIRMS

Carbone Co., Inc., has filed judgment for \$709.65 in New York County against August Adickes. Certain-Teed Products Corp. judgment for \$204.45 against Thomas B. Foody. Consolidated Color & Chemical Co. judgment against Goldstein Brothers for \$154.72 in New York County. American Agriculture Co. judgment against Austin J. Hare and Leonard Werthan for \$7,620.75. Schieffelin & Co. judgment for \$394.14 against Benjamin B. Schwald.

New Incorporations

In the Chemical, Drug, Oil Producing and Consuming Fields

Westphals Preparations, New York, \$15,000. Cosmetics. B. Sirota, H. Stiglitz, S. Meisler. Attorney, W. H. Stiglitz, New York.

Pall Mall Perfumery Co., Mount Vernon, N. Y., \$10,000. D. N. Pompilio, R. Signo, G. Cambe. Attorney, W. A. Forrester, Mount Vernon.

Raezer Drug Co., Dover, Del., \$300,000. Manufacture. George B. Raezer, Levi R. Raezer, Edwin B. Ruth, Littitz, Pa. Capital Trust Co. of Delaware.

Nomoid Oil Co., New York, \$10,000. F. L. Shlep, H. E. Persons, S. B. Kennedy. Attorneys, Shlep & Persons, New York.

O. M. Fish Co., Troy, New York, \$25,000. Confectionery. O. M. Fish, C. A. Beck, G. Keeler. Attorney, J. V. Coffey, Troy.

Eternite Chemical Products Corp., New York, \$10,000. D. Hogan, M. Luftman. Attorney, I. Ginsberg, New York.

Farley Packing Corp., Wilmington, Del., \$275,000. Canning. Corp. Trust Co. of America.

Fluf-O Products Co., Dover, Del., \$100,000. Manufacture per-fumes. U. S. Corporation Co.

Beadenkopf Leather Co., Wilmington, Del., \$100,000. Manufacture. Charles Glen Beadenkopf, Clarence M. Beadenkopf, Florence Salmon, Wilmington. Attorney, Charles G. Beadenkopf, Wilmington.

Durham Paper Mills, Philadelphia, \$100,000. Manufacture. Corp. Guaranty & Trust Co.

Broza Manufacturing Co., Dover, Del., \$25,000. Metal polishes.

Caledonia Drug & Dye Corp., New York, \$30,000. V. R. Gossner, J. Franklin, J. Gross. Attorney, W. F. Gossner, New York.

Ideal Bottling Co., Boston, \$50,000. Fruit syrups, mineral and carbonated waters. James S. Athans, George Ravanis and Arthur C. Velonis of Roxbury; Simon Berloe, Malden; Arthur Kesaris, Lewiston, Me.

My Own Knitting Mills, New York, \$30,000. R. L. Schaefer, M. Schwager, H. S. Landau. Attorneys, Schwartz & Schwager, Brooklyn, N. Y.

Rintelen Nickel Alloy, Brooklyn, N. Y., \$100,000. J. C. Rintelen, O. Nelson, R. Oslund. Attorney, E. F. Dickman, Brooklyn, N. Y.

Joubert Cie., New York, \$30,000. Cosmetics & perfumes. J. S. Lindemann, S. Rosenfeld, I. Wengraf. Attorney, H. Koppelman.

Aberdeen Laundry Co., Boston, Mass., \$50,000. Alfred Fox, Isidor Fox and Meyer L. Orlov, Brighton, Mass.

Cotton Products Co., Boston, Mass. and Quitman, Ga., 10,000 shares common, no par value. Cotton goods. William A. Cluff, Kent, O.; James J. Walsh, Lexington, Mass.; Allan B. Greenough, Newton, Mass.; Howard R. Whitehead, Quitman, Ga.

Sani-fold Co., Arlington, Converse W. Lloyd, agent, \$50,000. Converse W. Lloyd, Newark, N. J.; Frank H. Baxter, Yonkers, N. Y.; Frank E. Parham, New York.

Dephndine Laboratories, New York, \$2,000. Chemicals. G. H. Jones, T. J. Kearns, J. P. McParlan. Attorney, F. Klein, New York.

Star Drug Products & Chemical Corp., New York, \$30,000. H. Juskowitz, Z. Cheifetz, I. Kelly. Attorney, Weinfield & Weinfield, New York.

Manahan Chemical Co., New York, \$30,000. H. J. Trudden, S. Bode, B. Debragga. Attorney, O. M. Gabier, Brooklyn, N. Y.

Carlton Laboratory, Brooklyn, N. Y., \$15,000. Chemicals. R. F. Senese, J. Accardi, A. Spanghel. Attorney, J. S. Koenigsberg, New York.

Duane Remedies Corp., New York, \$300,000. Medicines. F. J. Davis, H. M. Hogan, A. J. Russo. Attorney, J. T. Smith, 224 W. 57th St.

Hydro Refrigerator Co., Dover, Del., \$10,000,000. Walter Parson, H. Victor Crawford, Joseph A. Barrett, New York. U. S. Corporation Co.

Spencer Drug Corp., Philadelphia, \$100,000. Corporation Guar-antee and Trust Co.

CANADIAN INCORPORATIONS

Members Perfect Paint Co., Ltd., Winnipeg, Man., \$50,000. Manufacture paints and varnishes. Harry Membery, Jeffrey Donaldson, John E. McPhail, Winnipeg.

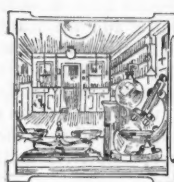
Russell Drug Co., Ltd., Ottawa, Ont., \$50,000. Manufacture medicines and chemicals. Hyman Astrof, Myer J. Isaacs, Hyman Horlick, Ottawa.

Atlantic Trading Co., Ltd., Montreal, Que., \$50,000. Manufacture sugar and its products. Thomas A. Beament, Wm. G. Pugsley, Arthur W. Beament, Ottawa.

The A. W. Chase Co., Ltd., Toronto, \$205,000. Manufacture drugs and chemicals. Albert Mewins, Gerald M. Malone, E. L. Weaver, Toronto.

Daverin Paper Mills, Ltd., Camden East, Ont., \$350,000. Daniel Daverin, Lillian M. Daverin, Edward F. Daverin, St. Catharines, Ont.

Hinde and Dauch Paper Co., Canada, Ltd., Toronto, \$278,000. Manufacture paper and paper products. William S. Morlock, Sydney E. Wedd, B. V. McCrimmon, Toronto.



Drug & Fine Chemical

SECTION



Ergot—Price Doubled in a Month

New Crop Short Abroad as Long Price Depression Discouraged Collection and Demoralized the Market

ERGOT has advanced from 26c pound c.i.f. New York to 55c pound within a period of about a month. Some small quantities are being offered at lower figures, but the general asking price is 55c pound. At the 26c price, importers were not interested, and few looked for any movement in this item for some time to come. Surplus supplies have been depressing the market for a long time with the inevitable result that sellers were willing to dispose of their goods at a substantial loss. In the spot market about a year ago, ergot had fallen from \$1.30 a pound in 1921 to 35c a pound, with a tendency at that time to fall much further. The drop in price of ergot was no exception, when the botanical was over-gathered. With a downward movement still going strong last Summer, importers did not think it advisable to purchase supplies, until something akin to stability in the market had been reached. The price, however, kept on sagging until a few months ago, when a check up on spot stocks showed that no one had more than was wanted in the face of the reported short crop for 1924. When the price was quoted at 18c pound c.i.f. New York, dealers were advised to buy. They refused, and have been sorry for it ever since.

Europe Buying in Spot Market

Stocks are now scarce on spot as well as in Spain and Russia. During the early Spring, stocks were disposed of in large quantities to avoid carrying the goods into the Summer, when the material is likely to become wormy. The unsold supplies have been reconditioned, and brought back on the market. These goods would naturally carry a high cost due to having been cleaned, which causes a loss sometimes as high as 25 per cent. Supplies in Spain appear to be mostly those of last year's crop, as little material from the 1924 crop has been offered in the spot market. The reduction in the spot stocks is probably due to Europe having bought fair quantities in New York. Of course, this might also mean that the spot market is underselling either Spain or Russia. While Russia appeared to have large quantities to ship about a month ago, they are either withholding their goods, or in reality, now

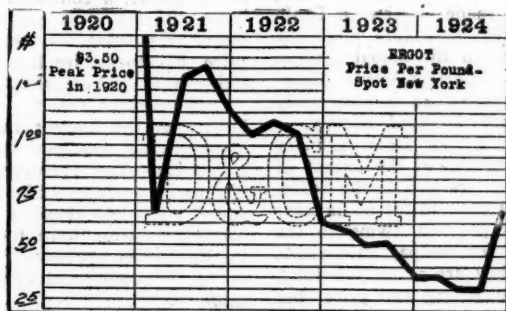
have nothing to offer. This latter assumption appears to be substantiated by the fact that one large American importer made certain Russian exporters a fairly high bid three weeks ago, but as yet has received no reply. Some of the goods imported last Summer have gone into other lines of consumption, rather than the usual supplies of pharmaceutical preparations.

A question has been raised whether the present prices from the primary market are warranted. Times have been known when shippers from Spain have cabled high prices on new crop, and sold only from old crop goods in order to leave the way clear for the new crop material. A few years ago, several dealers asked the United States Government to aid them in determining whether the high prices asked in Spain were

warranted, and the Government's reports were contradictory to the cables from the exporters in Spain. Since ergot is a natural growth, and depends to a great extent upon weather conditions in the rye fields, a check up on whether or not Spain has been having dry weather, which produces small ergot and also a small crop, or wet weather, which is the basic reason for a large crop, is essential. At the same time Spain may be having unfavorable conditions for the production of ergot, while Russia may be producing a large crop, which would depress the market or at least equal any shortage in Spain.

No doubt, importers will attempt to corral all of the supplies that they are able to, especially on an advancing market. When the price is high enough, they will let it out gradually so as to have as little effect on the price as possible. But when an item has been flooding the market for the past two years, and suddenly advances 100 per cent, dealers do not have much of an opportunity to corner the market. The tendency, too, is to refrain from speculating, until actual figures have been received on the 1924 crop. Up to the present time, several dealers evidently think that the goods have actually gone into consumption, and little remains in the hands of the speculators.

The reported short crop in Spain has already had its effect on the spot market, which is shown by the fact that the price has advanced from 31c pound to 60c pound. From June, 1921, the price gradually declined,



with the result that less and less ergot was picked from the rye thrashings from year to year, regardless of the amount of the material available. During these past three years, supplies had accumulated in practically all the markets of the world. If these goods have been disposed of, or are unfit for reconditioning, a shortage in Spain is naturally quite apt to raise havoc with prices. Reports and actual confirmation of this condition make all the difference in the world with regard to price, as one importer stated. If the shortage actually exists, ergot would look like a good buy at present prices, it would seem.

Consumers Prefer New Crop Goods

While buying in the spot market has been one of the causes of the present situation, consumers would rather have the new crop material from Europe, as this gives better satisfaction from the standpoint of the formula man. When he has good sound ergot, he can lower his operating costs by handling less material. Several sources state that some consumers made inquiry in the spot market before high prices were in evidence in the primary sources, but did not purchase goods after their investigations. As long as no one wanted ergot, two pounds are as good as fifty tons. With the consuming season at hand, buyers could not wait until the full arrival of the new crop material. They placed inquiries with several houses, no doubt, and each one of these in turn made inquiry in Spain or Hamburg. The result of this procedure gives the usual false impression in regard to the actual amount of ergot wanted. The Spanish exporters would naturally interpret the inquiry for more than it was really worth. The result was, the price advanced sharply.

Any desire to withhold firm offers from primary sources tends to start a bull movement, the extent of which depends upon the financial position of the seller. With Russia still in a subnormal state as far as finances go, and with Spain in a weak position owing to the low prices which have prevailed for the past two years, the trade does not think that they are actually holding back offers for the sake of advancing the price, but that they might, however, attempt to pass off the old stocks before selling the new crop material. As a rule, the material coming out of Russia commands less than the Spanish goods, but if consumers cannot obtain the Spanish material, other supplies have to be acceptable, regardless of origin.

High Prices Stimulate Gathering

If an actual shortage exists at the present time, then the high prices ought to increase gathering for the next year or two. But for the present year, supplies look somewhat limited, and with such a sharp jump within the past month, the trade believes that \$1.25 pound ergot is possible, with some importers so bullish as to believe that \$2.00 material is within the realm of possibility. In the absence of an active demand for the goods, European shippers might take a lesson from the past, and buy from gatherers only sufficient ergot to keep the price above 55c pound.

Supplies that have been lying dormant for the past year or two will undoubtedly be brought out during this advance. However, such lots will probably not have much effect on the market, as holders might have some difficulty in disposing of goods when new crop material is available. But in the absence of new crop goods in the spot market, odd lots will come forward, and will probably increase as the news of the advance in ergot spreads over the country.

Conservative Houses Not Buying

Confirmation of the reports of a short crop will probably bring out some keen competition to purchase sup-

plies for shipment. Some new crop goods have already been shipped out of Spain, but very little, and the trade thinks that they are still holding back considerable material. Since varying reports have been received in the past, some of the more conservative houses are likely to keep out of the market, and let their competitors buy all that they want. If this happens, the trade expects to see both old and new crop material well controlled for the next few months at least, until the purchasers attempt to sell their holdings.

CEYLON CITRONELLA ADVANCES TO 68c C.I.F.

Spot Stocks Closely Held—Primary Market Tending Upward—Java Again Scarce on Spot

Ceylon oil citronella has advanced from 61c pound c.i.f. New York to 68c per pound, with the probability that higher prices will prevail owing to a firm primary market caused in part by an advance in exchange rates. A number of sales were made at the lower figure, but the volume is thought to be small, and probably will have little effect on the future market. Definite information in regard to the market conditions in Ceylon is hard to obtain. One importer says he has made a bid, which the exporters apparently accepted, but later asked what he would be willing to pay. Between the execution of the order and delivery of the goods, a considerable degree of uncertainty prevails. Buyers' ideas are somewhat below import costs, but if they want the goods, they will have to pay the price, as stocks are held in strong hands, and at the same time are becoming reduced materially.

Consumers of the oil for the soap industries are not buying at the present time, and some of the leading importers say they have entirely filled their requirements. Large quantities, however, are being used in the manufacture of geraniol. Since Ceylon is selling at 75c per pound spot, and contains at least 50 per cent geraniol, some consumers have found it more profitable to use the Ceylon in preference to the Java, which is selling for \$1.50 pound, and contains about 85 per cent geraniol.

Java citronella, however, is scarce in spite of the tendency to use the Ceylon in making geraniol. Stocks are low on spot, and one large American importer has nothing to offer for prompt shipment from Java. He says January-March shipment is named at \$1.22 per pound c.i.f. One dealer in New York received 29 tons about three weeks ago, and now he says he could not fill an order for 50 pounds. Fair quantities were moving between dealers last week, but have passed into consumption as the demand for Java for the manufacture of geraniol has been quite active.

Bergamot trees were severely damaged owing to a cloudburst and cyclone, which swept over the producing areas on Nov. 8-9, according to a report from Palermo, which states: "The extent of the damage has not been ascertained, though some gardens have been reported completely destroyed. Stocks of the old crop were already reduced to a minimum, thereby causing the withdrawal of sellers from the market. Buyers are numerous and are willing to take anything that is offered at the last prices paid."

Protest of F. W. Myers & Co. against duty of 15 per cent ad valorem on sweet water glycerin, claiming that it was free of duty or dutiable under paragraphs 35 and 386 of the tariff act of 1913 as crude glycerin, was overruled by the Board of U. S. General Appraisers.

Clark Chemical Co., Wickliffe, O., whose plant was destroyed by fire about two months ago, will rebuild at a cost of \$50,000.

NEW DUTY ON BARBITAL NOW EFFECTIVE

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., Dec. 3.—The higher rate of duty on barbitol, or diethylbarbituric acid, became effective last Saturday, Nov. 29, in accordance with the proclamation by the President on Nov. 14. The new rate of duty is 25 per cent based on the American manufacturer's selling price. The previous rate of 25 per cent was based on the foreign value of the product. The foreign value has been estimated at about \$2.50, while the American price is roughly \$10.00 lb. Assistant Secretary of the Treasury Moss had previously instructed collectors in various ports that the new rate would become effective Nov. 29, or two weeks after the signing of the proclamation by the President, as specified in the law.

MAKE NEW RULING ON GAUGING ALCOHOL

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., Dec. 3.—The Commissioner of Internal Revenue has just issued a circular to collectors in which he states that hereafter all fractional parts of a gallon, less than one-tenth, will be disregarded in gauging alcohol at industrial alcohol plants, industrial alcohol bonded warehouses, and denaturing plants. He says:

"For example, a package of 190 proof alcohol weighing 326½ pounds net, will be reported on Form 1440 as containing 48.00 wine gallons, 91.20 proof gallons. A package of 190 proof alcohol weighing 340 pounds will be reported as containing 50.00 wine gallons, 95.00 proof gallons."

Wayne B. Wheeler, general counsel of the Anti-Saloon League, spoke at St. Andrews Methodist Episcopal Church, 120 W. 76th st., New York, on Sunday, Nov. 30, in favor of the Cramton bill which makes the Prohibition Unit an independent bureau, responsible only to the President. He said the Revenue Bureau was the source from which bootleggers obtained their supplies of alcohol, claiming that 6,000,000 gallons released by Internal Revenue Collectors supplied the illicit trade. He did not discuss the needs of the industries, pleading only to give the Prohibition Bureau absolute authority, which he said the Cramton bill would do.

Imports of essential oils other than turpentine into Great Britain during October were 355,900 pounds, valued at £110,339, compared with 442,010 pounds, valued at £104,584, for a like period in 1923, and the re-exports during October were 107,312 pounds, valued at £40,574, compared with 102,676 pounds, valued at £48,140, for a like period in 1923.

Prof. Edmund O'Neill, veteran director of the chemical laboratories at the University of California, Berkeley, will retire from active work next year. He is sixty-five years of age and has been connected with the university for forty-five years. He served with all eleven presidents of the university.

The annual meeting of the National Drug Trade Conference is in session at the Hotel Washington, Washington, D. C., with Samuel C. Henry presiding. Consideration will be given to the Cramton bill and other legislative matters.

Protest of Truempy Faesy & Besthoff, Inc., New York, claiming duty was assessed on an excessive weight of magnesium carbonate has been overruled by board 3 of U. S. General Appraisers.

MAKES STUDY OF AMERICAN WORMSEED

South Dakota State College Has Still With Capacity of 250 Gallons

Investigations of American wormseeds, which were entered upon by the Division of Pharmacy, South Dakota State College, under the direction of Professor Anton Hogstad, Jr., four years ago, through a gift from D. F. Jones of Watertown, S. D., were continued during the 1924 season on a scale much larger than ever heretofore attempted, says the "Pharmaceutical Era." About 10,000 pounds of herb were subjected to distillation during the past Summer in the new boiler plate steel still, purchased by the Division of Pharmacy for volatile oil investigations, in connection with the medicinal and poisonous plant investigations gardens. The still, which has a capacity somewhat greater than 250 gallons, is capable of receiving a charge of herb ranging up to 500 pounds, depending upon the nature of the herb, whether freshly cut or that which has been subjected to a process of air-drying in the fields.

The investigation has furnished much valuable data as to the proper time of collection of herb, and which will eliminate in large part many of the difficulties encountered in the production of an oil that will comply with the requirements of the United States Pharmacopoeia.

A second investigation was undertaken by Professor Hogstad which investigation was conducted in a parallel manner with that of the distillation studies. This investigation comprised a micro-chemical study as to the origin and nature of the secretion of the oil within the plant. The entire plant, over all periods of development was subjected to a rigid micro-chemical examination, the results of which were recorded by means of a series of hand colored illustrations as well as tinted photomicrographs, the latter to substantiate the authenticity of the illustrations. This investigation has proven to be invaluable for the proper interpretation of the distillation reports as well as adding to the fund of knowledge of the origin and nature of secretion of volatile oils.

Essential oils have been in fair demand, and several important price changes have taken place, according to "The Chemist and Druggist," of London, which says: "The position of American peppermint oil becomes still more stringent and very strong advices have been received from Michigan. Japanese mint has probably never before been so scarce in London. Cedar wood oil is dearer and American spearmint has advanced. Cochin lemongrass has been in demand, and is dearer. Spot supplies are limited. Bergamot is firmer for certain brands, and lemon has also advanced. Ceylon citronella is cheaper. Bourbon geranium is lower at the source, and American wormseed is easier."

Perfumes are in active demand in French West Africa, especially the cheaper grades, according to an official report, which says: "The style of package is often more important than the quality of the contents. French products are faced by the keen competition of British and German preparations, the latter being offered at low prices. The duty on perfumery of all kinds, including soaps, containing alcohol is 400 francs per 100 litres, but not less than 12 per cent ad valorem; on other kinds, 20 per cent ad valorem, calculated on the invoice price increased by 25 per cent."

Imports of drugs and chemicals by the Philippine Islands during 1923 were valued at 1,045,445 pesos. The prevalence of animal diseases in the various parts of the country accounted for an increase in the imports of vaccines, antitoxines, and serums.

The Fine Chemical Market

Current Spot Quotations for Fine Chemicals, page 1710

MERCURY ADVANCES 50c FLASK ON SPOT

Temporary Scarcity Coupled With Higher Prices In London—Thymol Higher—Menthol Lower—Potash Permanganate Steady—Imported Bromides Quiet Though Firmly Held—Codliver Oil Firm—Barbital Duty Effective

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Acid, Diethylbarbituric, Imp. Potash Permanganate, Imp.,
25c lb. 1c lb.
Mercury, 50c flask Thymol, 50c lb.

Declined Menthol, 25c lb.

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acetanilid	\$.36	\$.36	\$.36	\$.32	\$2.00	\$.20
Acid Citric, Import	.46	.45	.45½	.47	1.25	.45
Caffeine Alkaloid	3.50	3.50	3.50	4.00	18.00	3.65
Calomel, American	1.22	1.22	1.22	1.25	3.43	.90
Camphor, Jap., ref.	.67	.67	.67	.86½	3.55	.41
Iodine, Resublimed	4.75	4.75	4.75	4.58	5.00	3.75
Menthol	13.25	13.75	14.50	14.00	13.50	3.00
Potassium Bromide, Cryst.	.48	.48	.48	.26	4.30	.80
Quinine Sulfate, Imp.	.50	.50	.50	.50	.90	.25
Sodium Salicylate	.40	.40	.40	.40	4.25	.27
Strychnine Sulfate	.49½	.49½	.49½	.84	2.05	.50
Average	2.38	2.42	2.48	2.48	5.92	1.56

While demand for fine and medicinal chemicals during the week has been quiet, holders are firm in their views, and are offering little inducement to buyers in the way of price shading. They undoubtedly figure that they can afford to wait a few days, rather than take a loss as replacement costs are generally higher than spot values, and at the same time spot stocks are lower than usual at this time of year. The average price for fine chemicals during the past month shows little change over the month previous. Domestic makers are holding the price of potash permanganate at 15c pound f.o.b. New York. Imported material for shipment is slightly higher than domestic goods. Menthol has declined slightly, but between now and the arrival of new crop goods, most anything may happen owing to the close control of spot stocks. If an order for 200 pounds was received in the market, considerable difficulty would be met in filling it.

Acetanilid—Makers report a steady demand at 36c@38c lb. spot for U.S.P., and resellers at 35c@36c lb.

Acid, Citric—Imported firmly held in spite of the weak

demand. Quoted 46c@46½c lb. spot, and domestic 46c@47c lb.

Acid, Diethylbarbituric—Imported has advanced to \$4.50@\$5.00 lb. spot owing to the advance in the duty, which is now 25 per cent of the domestic price. The makers price has not been settled on, but the trade thinks that it will allow at least 50 per cent increase in the duty. The new duty became effective on Nov. 29.

Acid, Salicylic—Quiet at 35c lb. spot by makers, and 32c@33c lb. from resellers.

Acid, Tartaric—Imported firmly held on spot at 26½c@27½c lb. with replacements above these figures. Domestic, 29c lb.

Alcohol—Demand has been active, and some state that an advance is entirely likely. Quoted at 57½c@59½c gal. spot in drums for No. 1 specially denatured, and 56½c@58½c gal. for No. 5 completely denatured.

Alcohol, Butyl—Quoted firm at 27c@28c lb. works as to quantity. Reports are heard that a company is contemplating the manufacture of this item from calcium carbide. Imports last week at New York were 37 drums.

Bay Rum—Demand quiet at \$1.05 gal. spot for either St. Thomas or Porto Rican material.

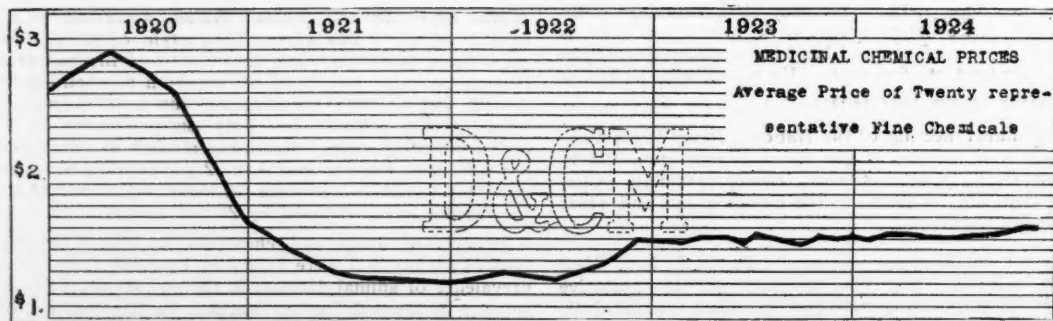
Bromides—Imported material is strongly held in spite of the small demand. Ammonium named at 48c@50c lb. spot; potassium, 42c@44c lb.; and sodium, 44c@46c lb. with the possibility of higher prices owing to a strong primary market. Last week saw 90 cases imported at New York. Domestic firm at 54c@55c lb.; potassium, 48c@49c lb.; and sodium, 48c@49c lb.

Camphor—Japanese slabs quoted steady at 67c@68c lb. spot with shipment named at 59c lb. c.i.f. New York. Stocks in New York are reported small, but several sources seem to think Japan has almost unlimited supplies. Domestic named at 83c lb. in bulk.

Codliver Oil—Market strong at \$28.50@\$30.00 bbl. spot with shipment still named at \$28.00 bbl. c.i.f. New York. Several buyers have not as yet covered their requirements, but, no doubt, they will have to come into the market in the near future.

Cream Tartar—Imported quiet at 20½c@21c lb. spot, and domestic 21¼c@21½c lb.

Formaldehyde—Makers report a steady demand at 9c@9¼c lb. works, in c.l., and 10½c lb. in carboys.



Fusel Oil—Quiet at \$3.25@\$3.40 gal. spot as to quantity. Imports last week at New York were 34 drums.

Glycerin—C.P. generally quoted at 19c@19½c lb. spot in drums, although some lower figures are being quoted in the Middle West. Dynamite, 17½c@17¾c lb. spot.

Menthol—Has declined to \$13.25@\$13.75 lb. spot as to quantity owing to small demand. However, if a pick-up occurs before the arrival of new crop material, higher prices are quite likely. Importers are waiting confirmation in regard to the amount of the new crop. The figures of the bears and bulls show a wide difference.

Mercury—Spot higher at \$69.50@\$70.00 flask owing to an advance in London and the steady demand on spot. London is higher at £10 15s per flask. Although imports last week at New York were 700 bottles, the trade thinks that these were mostly sold to arrive. Italy is quoting £10 10s per flask ex-mine, and Spain £13 10s.

Methanol—Market strong at 67c gal. in tanks for 95% material.

Potassium Permanganate—Domestic manufacturers are unchanged at 15c@16c lb. f.o.b. New York. Sales this past month have been reported large. Imported also named firm at 15¼c@16c lb. spot with shipment about equal to these figures.

Sodium Benzoate—Makers name 62c@65c lb. spot as to quantity. Demand has been rather quiet for the past two weeks.

BROMIDES SCARCE IN BELGIUM

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Antwerp, Belgium, Nov. 22.—The market in bromides has reflected the very large inquiry from the United States and this class of goods remains remarkably firm and scarce. Regarding American products, there has been very little interest in this country, except for corn dextrin, which is firm with small supplies.

Fusel oil remains very strong with sales effected on the basis of \$90 per 100 kilos and even higher for December-January shipment.

Botanicals—There has been a fair call for valerian root which is now not easily obtainable, although the crop is satisfactory. Growers are not at all anxious to take engagements for delivery too far ahead.

As regards Roman chamomiles, while the price for the best quality remains easy, there has been active selling of the brownish industrial flowers with the effect that the price for these has risen out of proportion with the better qualities. The industrial flowers are selling at Belgian francs 3.80 to 4. per kilo f.o.b. Antwerp. The rates of exchange were one dollar equals Belgian francs 20.70; one pound sterling equals Belgian francs 95.80.

MEDICINAL EXPORTS WERE \$1,700,557

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., Dec. 3.—The balance of trade in the crude drugs group for October continued as usual in favor of the imports with 8,892,977 pounds, valued at \$723,971, compared with exports of 621,902 pounds, valued at \$201,084, according to the Chemical Division, Department of Commerce. The leading imports were pyrethrum flowers, 535,596 pounds, valued at \$166,719; and licorice root, 5,523,982 pounds, valued at \$159,321.

In striking contrast to the crude drug trade was the trade in medicinal and pharmaceutical preparations, exports of which amounted to \$1,700,557, in October, 1924, while imports were only one-fifth as much as the exports, or \$442,118. The most important import item was quinine sulfate, receipts of which totaled 214,008 ounces, worth \$105,623.

ERGOT HIGHER IN LONDON

American Peppermint Oil, Opium and Shellac Futures Also Advanced—Codliver Oil Firmer—Cantharides and Sennas Easier—Menthol and Castoreum Lower
(Special Cable to DRUG & CHEMICAL MARKETS)

London, Dec. 3.—Trading in crude drugs and fine chemicals is quiet. Advances are reported on ergot, cloves, Japanese mint oil, American peppermint oil, opium, and shellac futures.

The market is firmer on codliver oil, oxalic acid and buchu leaves.

Prices are easier for Russian cantharides, sennas and balsam tolu.

Quotations are lower on chloral hydrate, menthol, Jamaica sarsaparilla, linseed oil and Hudson Bay castoreum. An offering of 2,000 lbs. of castoreum will be made at auction on Dec. 10.

London, Nov. 22 (By Mail)—In the drug and chemical markets there is a feeling of optimism and although business cannot be called brisk a very firm tone prevails. American peppermint oil in tins has experienced a further sharp advance and a good business has been doing at 33s 6d per lb., with some offers withdrawn. H. G. forward delivery 40s. Japanese peppermint oil is short on spot with sales up to 20s 6d per lb.; Oct.-Nov. 17s c.i.f. Distant shipments are offered by second hands as low as 12s 6d c.i.f., but this is attributed to manipulations by bear operators.

Cocoa butter is an improving market at 1s 5d per lb. being higher.

Codliver oil is about 3s per barrel dearer at 118s c.i.f.

Ergot of rye, Spanish, is advancing, and although there are lots available on spot at 1s 5d per lb. direct Spanish offers have been received up to 1s 8d per lb.

Oil lemon, American spearmint oil and oil bergamot are firmer.

Camphor—Refined Japanese slabs and crude are easing off somewhat, owing to slack demand and lower offers from the East.

Bismuth metal has been reduced officially by 1s 6d per lb. to 6s per lb., owing doubtless to renewed lower offers by suppliers from districts not under the control of the monopoly.

Juniper Berries—The report of the partial failure of the Italian crop appears to be correct and a further advance has been made to 30s per cwt.

MEXICAN VANILLA NEARLY ALL SOLD

Vera Cruz, Mexico, Nov. 22.—Nearly all the new crop of green vanilla beans has been bought from the natives. Prices are high, due to the short crop, and the competition among the buyers and curers. The green vanilla beans are selling at \$2.50 to \$3 Mexican currency, per pound, fifty-five pounds of the green beans when dried and cured making ten pounds of cured vanilla. To this cost price must be added, labor, curing, packing, cost of containers and freight charges; also 11½ cents (American currency) municipal tax for each pound of vanilla exported from the vanilla district. The new 1924-1925 crop should be cured and ready for shipment by June. Quality is good this season. American buyers arriving here are astonished at the price asked for the uncured beans, and find that very few beans can be obtained from the growers.

Seydel Chemical Co., Jersey City, has appointed Harry J. Ahles, 350 N. Clark st., Chicago, Ill., as western representative for the sale of Seydel fine chemicals.

The Crude Drug Market

Current Spot Quotations for Crude Drugs, page 1719

LOBELIA HERB ADVANCES ON SCARCITY

Supplies Limited at Source—Damiana Leaves Tending Scarce—Althea Root Sharply Higher—Lycopodium Firmer—Cascara Sagrada Higher on Coast—Belladonna Leaves in Better Supply—Strophanthus Seed, Amber Sorts, and Cardamom Seed Scarce

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced	
Althea Root, Cuts, 15c lb.	Lycopodium, 2c lb.
Damiana Leaves, 5c lb.	Marjoram Leaves, French, 5c lb.
Lobelia Herb, 1c lb.	Sandarac Gum, 2c lb.
	Strophanthus Seed, Kombe, 60c lb.
Declined	
Aloes, Cape, 1/2c lb.	Mandrake Root, 1c lb.
Belladonna Leaves, 2c lb.	Pumpkin Seed, 2c lb.
Cloves, Zanzibar, 1c lb.	Snake Root Canadian, 3c lb.

	Trend of the Market					
	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Aconite Root, U.S.P.	\$.35	\$.35	\$.35	\$.50	\$.90	\$.42
Buchu Leaves, Short .....	.76	.78	.76	.50	4.00	.85
Cantharides, Russian .....	.80	.80	.80	1.25	9.00	2.10
Cocculus Indicus .....	.03	.03	.03	.03 1/4	.85	.03
Ergot, Spanish .....	.60	.65	.60	.38	4.50	.54
Insect Powder, pure .....	.44	.44	.45	.63	1.00	.28
Ipecac, Cartagena. Powd..	2.50	2.50	2.35	2.60	4.50	1.38
Nux Vomica .....	.05	.05	.05	.05	1.4 1/2	.07
Opium gum	12.00	12.00	12.60	8.00	30.00	5.00
Rhubarb Root, H. D. ....	.35	.35	.35	.37	1.75	.15
Tragacanth, No. 1, ribbon.	1.15	1.15	1.15	1.45	6.00	1.50
Wild Cherry Bk., thin nat.	.08 1/2	.08 1/2	.08 1/2	.13	.21	.07
Average	1.58	1.59	1.58	1.36	5.28	1.60

The development of a number of spot scarcities last week brought on several acute situations in the crude drug market. Sellers oversold themselves in a number of instances, and when they turned to the source of supply to obtain goods, gatherers advanced the price in some cases entirely out of proportion to the importance of the item. All of which tends to show the smallness of spot stocks. Any inquiry directed toward primary markets will, undoubtedly, cause shippers to have firm ideas in regard to prices. At the present moment, a slightly easier shipping position exists, especially from Europe. Importers in the spot market have some difficulty in tempting buyers, but if consuming demand again sets in sharp advances all along the line may be expected. Demand for spices has quieted down after two months' activity.

Agar Agar—Price remains firm at \$1.55@\$1.60 lb. spot for No. 1 material, and \$1.30 lb. for No. 3 goods, with Jan.-Mar. shipment at \$1.02 lb. c.i.f. New York for

No. 1 Kobe. The spot market appears to be none too well supplied.

Aloes—Cape slightly easier at 8 1/2c@9c lb. spot, and Curacao firm at 10 1/2c@11c lb. with replacement fully equal to these figures.

Althea Root—Cuts have advanced sharply and now quoted at 45c@50c lb. spot owing to scarcity and active demand. Whole named at 11c@12c lb.

Anise Seed—Spanish firmly held at 15c@16c lb. spot in regular quantities with 14 1/4c lb. quoted in a large way. Star named at 11c@11 1/2c lb.

Arabic Gum—Amber sorts scarce at 12 1/2c@13c lb. spot as to quantity. Stocks were low previous to the first of November, due in part to the high import cost, but since then they have been reduced to practically nil due to the active demand from the textile mills. Some dealers are looking for 14c sorts in the near future.

Areca Nuts—Whole firm at 21c@23c lb. spot, while powdered is in good supply at 20c@22c lb.

Balsams—Oregon fir firm at \$1.00@\$1.10 gal. spot as to quantity, and Canadian is named at \$11.00@\$11.50 gal. For other balsams see "Essential Oil Market."

Belladonna Leaves—In better supply at 24c@26c lb. spot as to seller and quantity. Fair quantities came in the early part of this week, and in this instance they have not as yet been sold.

Buchu Leaves—Goods are available at 76c@78c lb. spot in bales, and 81c@83c lb. for less.

Cardamom Seed—Firm and active with tendency to scarcity. Quoted at \$2.00@\$2.25 lb. spot for bleached, and \$1.90@\$2.00 lb. for decorticated.

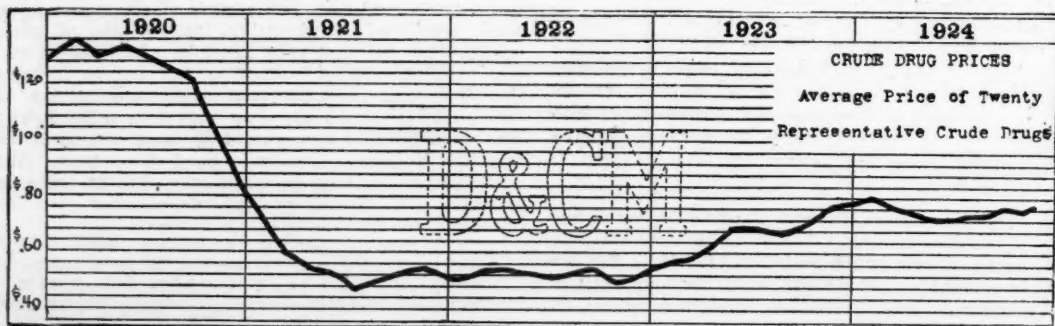
Cascara Sagrada—The Coast has firmed up sharply and now best price offered is 13 1/2c lb. f.o.b. Spot goods are still obtainable at 14 1/2c lb., but some dealers are asking as high as 17c lb. From now on, dealers look for a much firmer market.

Cinchona Bark—Active and firm at 26c@28c lb. spot for broken, and 50c@52c lb. for quills.

Cloves—Zanzibar easier at 29c@30c lb. spot, although in a large way less might be done.

Damiana Leaves—Supplies on spot are reported to be limited to 250 pounds, and the price is firmly held at 40c lb. New arrivals are expected, but not for a few days.

Dandelion Root—In small demand at 26c@28c lb. spot with shipment named at 20c lb. c.i.f. New York.



Elm Bark—Select ranges from 26c up to 29c lb. spot as to seller.

Ergot—Market remains firm at 60c@65c lb. spot as to holder. Sales were made last week for import at 50c lb. c.i.f. New York, or 60c lb. duty paid.

Insect Powder—Quoted on spot at 44c@46c lb. as to seller and quantity. Demand has been quiet, and importers are not inclined to buy for shipment at the present time.

Ipecac Root—Rio firm at \$2.25@\$2.35 lb. spot for whole, and \$2.50@\$2.60 lb. for powdered with shipment named at \$2.10 lb. c.i.f., New York. No confidence can be placed in the shipment price, however, as shippers say they would probably take \$2.10 lb., but are not quite sure.

Juniper Berries—Market steady at 5¼c@6c lb. spot as to seller.

Lobelia Herb—Spot market strong at 35c@38c lb. with tendency to higher figures owing to scarcity in primary market. One dealer in New York says that he has covered the entire South in search of supplies, and has found only limited quantities.

Lycopodium—Higher at 62c@64c lb. spot owing to scarcity.

Mandrake Root—Lower at 11c@12c lb. spot.

Marjoram Leaves—French higher at 40c@45c lb. spot with shipment quoted at 40c lb. c.i.f. New York. German, 29c@31c lb.

Pumpkin Seed—Steady at 14c@16c lb. spot. Considerable activity reported in this item.

Sandarac Gum—Higher at 44c@46c lb. spot.

Senna Pods—In good supply at 12½c@14c lb. spot.

Snake Root—Canadian lower at 35c@37c lb. spot.

Strophanthus Seed—Kombé has advanced sharply and now quoted at \$1.25@\$1.40 lb. spot owing to scarcity. Hispidus supplies are off the market.

Control of the sandarac gum market by a large lacquer manufacturer is a possibility, according to George H. Lincks, New York, who says: "The request has been made for a minimum and maximum price over a number of years, along with the minimum and maximum crop figures. As the crop totals only 75 to 80 tons per year and the prices have increased from 18c pound last November to 44c pound at the present time, the possibilities of a strong market seem well assured. The new crop is being gathered and shipped during November-December. Supplies are limited."

Spanish supremacy in the Argentine olive oil market has been seriously affected by Italian competition. During 1919, Spain supplied 93.6 per cent of Argentina's demands for this product. In 1923, semi-official reports indicate that Spanish shipments have fallen off to approximately 35 per cent of the total Argentine importation. In this line also the price factor has reacted to the detriment of Spanish products.

Toilet soaps on the Hankow market are manufactured mostly by the Japanese. Of the fifty-five brands sold in that market forty-five are manufactured either in Japan or in Japanese-owned factories in Hankow and Shanghai, while the balance are European and American made.

New Greek Government regulations concerning the exportation of olive oil allow 70 per cent of available stocks of first grade oil to be exported; second grade, 80 per cent; olive oil unfit for human consumption, no restrictions.

DRUG PRICES ADVANCE IN PHILADELPHIA (Special to DRUG & CHEMICAL MARKETS)

Philadelphia, Dec. 3.—Drugs are in good demand and wholesalers report that sales are about the same as they were last month, according to the Federal Reserve Bank of Philadelphia. The bank says: "Seasonable patent medicines, toilet goods, perfumes, and staples are selling actively. Prices in the botanical drug market are considerably higher than at the close of October and quotations for fine drugs and chemicals are also higher, but are not quite as high as they were earlier in this month."

"Sales during October were 3.5 per cent larger than those of September, but 0.1 per cent smaller than those of October, 1923. Stocks at the close of October were 6.0 per cent larger than at the close of September and 0.8 per cent greater than they were a year ago. The ratio of accounts outstanding to sales was 149.5 in October, compared with 149.8 in September and 138.2 in October, 1923."

CANADIAN ALCOHOL EARNS \$3.78

(Special to DRUG & CHEMICAL MARKETS)

Montreal, Que., Dec. 3.—Net profits of Canadian Industrial Alcohol for the year ended Sept. 30, 1924, increased approximately half a million dollars compared with the previous year, according to the annual report just submitted to shareholders. This balance sheet still shows the old capitalization of 400,000 shares of \$25 value each. Profits, after allowing for depreciation and taxes, were equal to \$3.78 a share. This equals \$1.89 a share on the new capitalization.

Net profits are \$1,515,309. After payment of dividend there is a balance of \$715,309, making the total balance of profit and loss account \$1,135,909. Working capital is slightly below last year's figure, at \$1,054,757.

H. O. Day will become manager of the wholesale drug firm of Brewer & Co., Worcester, Mass. Mr. Day has been manager of the Portland, Me., branch for the last five years and was presented last week with gold watch and chain and gold cuff links by his fellow employees. A. H. Perkins, general manager of the Worcester, Mass., store will succeed Mr. Day as manager of the Portland branch. The testimonial of esteem for Mr. Day took place at the company's offices and was attended by the president, A. C. Brewer, J. T. Byrne, general manager of the Brewer laboratories, Charles L. Fix, general sales manager of the Worcester plant, and W. A. McGrath, general manager of the Brewer tire plant.

The spice market is active and feverish as ever, consuming and distributive trade being livelier than is customary at this season, according to John Clarke & Co., New York, who say: "The invoice trading is rather broad in pepper, in all positions, and narrow in other groups, for the simple reason that there are such restricted totals in which operation is possible in nearly everything but black and white pepper, in which articles there is a fair afloat supply, and a disposition to trade in futures here and in Europe."

Exports of kauri gum from New Zealand during September were 621 tons, valued at £53,488, of which the United States received 253 tons, valued at £26,884, according to George H. Lincks, New York, who says: "The production for September was 375 tons, and for October up to the 28th was 380 tons."

Exports of sesamum seed from India during eight months ended Aug. 31 were 8,800 tons, compared with 9,791 tons for a like period in 1923.

The Essential Oil Market

Current Spot Quotations of Essential Oils, page 1733, Aromatic Chemicals, page 1734

OIL WORMSEED DECLINES 20c POUND

Consuming Demand Lacking—Tendency to Accumulation of Stocks—Oil Sweet Almond Higher—Oil Bergamot Advances Sharply—Oil Caraway Easier—Oil Java Citronella Again Scarce—Oil Peppermint Higher—Oil Spearmint Firmer

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced	
Oil Almond, Sweet, 10c lb.	Oil Lemongrass, 5c lb.
Oil Bergamot, Coppers, 10c lb.	Oil Mace, 10c lb.
Oil Citronella, Java, 10c lb.	Oil Peppermint, Nat'l., 25c lb.
Oil Erigeron, 50c lb.	Redistilled, 25c lb.
Oil Ginger, 50c lb.	Oil Spearmint, 10c lb.
Oil Juniper Berries, 5c lb.	Oil Wormwood, 40c lb.
	Oil Lemon, Italian, 5c lb.
Declined	
Oil Caraway, 15c lb.	Oil Wormseed, 20c lb.
	Oil Sassafras, U.S.P., 5c lb.

	Trend of the Market				
	Today	Last Week	Last Month	Last Year	Pre War
Oil Bergamot	\$3.75	\$3.40	\$3.40	\$2.75	\$7.00
Oil Citronella, Ceylon	.75	.73	.73	1.00	1.02
Oil Cloves	2.10	2.10	1.95	2.40	3.70
Oil Lemon, Italian	.98	.90	.88	.75	1.70
Oil Peppermint, Nat.	9.00	8.00	6.50	3.15	9.00
Oil Sandalwood, E. I.	6.75	7.00	6.15	7.15	14.00
Oil Sassafras Artif.	.35	.35	.35	.38	1.00
Benzaldehyde, U.S.P.	1.50	1.50	1.50	1.50	5.15
Coumarin	3.25	3.25	3.25	4.50	31.00
Methyl Salicylate, Cans.	.47	.47	.47	.47	1.00
Vanillin	.49 1/4	.49 1/4	.49 1/4	.48	.95
Average	2.68	2.51	2.32	2.23	6.83

Active demand has resulted in another advance in a number of the more important essential oils. Interest has broadened so as to take in nearly all of the items with the exception of oils caraway and wormseed, which have declined during the week. The balance of the list is holding firm with a growing tendency to develop several acute situations before the end of the year. Stocks in a number of oils have nearly reached bottom, and on a small order comparatively low figures can be done, but on a drum inquiry much higher prices would have to be paid. The effect of keeping spot stocks low during the last three months is beginning to show that even when import costs are higher than spot, it sometimes pays to bring in goods, providing the time in transit is sufficient to allow spot stocks to become depleted. When only a few days separate the primary market and the spot, little can be saved in carrying

large stocks on spot when the primary is higher than the local market.

Essential Oils

Oil Almond—Sweet has again advanced to 85c@90c lb. spot as to quantity due to scarcity and higher shipment figures.

Oil Anise—Spot stocks are becoming reduced at a fast rate. Quoted on spot at 58c@60c lb. spot for U.S.P. goods, and 55c@57c lb. for technical material.

Oil Bergamot—Coppers have advanced to \$3.75@\$4.00 lb. spot owing to higher replacement costs. Reports have been heard that a severe storm destroyed a large portion of this year's crop. Artificial, \$2.20@\$2.35 lb.

Oil Bois de Rose—Firm at \$4.75@\$5.50 lb. spot as to quality.

Oil Caraway—Has declined and now quoted at \$3.00 @\$3.15 lb. spot as to quantity and seller. Some low offers have been heard from Holland, but importers say that unless they go lower, they will not buy even to average up on the present high costing material.

Oil Cassia—Redistilled firm and active at \$2.75@\$2.90 lb. spot with tendency to scarcity. Prompt shipment is named at \$1.80 lb. c.i.f. New York, although supplies at these figures are somewhat limited.

Oil Cedar Wood—In active demand at 80c@90c lb. spot as to seller. The new distillers of this article have ceased to operate, according to the trade.

Oil Citronella—Ceylon firmly held at 75c@82c lb. spot in drums as to seller, and 78c@85c lb. in tins. Java is again scarce and now \$1.50@\$1.60 lb. spot is wanted for drums, and \$1.60@\$1.70 lb. for tins.

Oil Cloves—Market firm at \$2.10@\$2.20 lb. spot in cans.

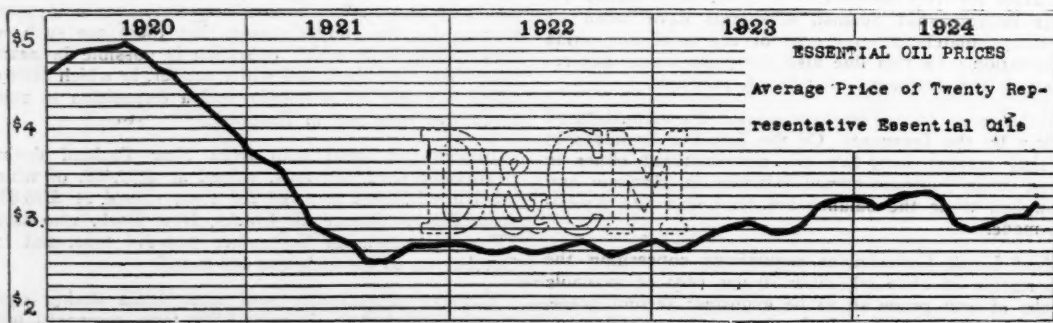
Oil Erigeron—Has advanced again and now quoted at \$4.00@\$4.50 lb. spot as to seller. Sales are reported to have been made in the country at \$4.50 lb.

Oil Geranium—Bourbon is easy at \$7.00@\$7.50 lb. spot as to quality, and Algerian \$7.25@\$7.75 lb. African, \$4.25@\$4.50 lb.

Oil Ginger—Has advanced to \$9.50@\$10.50 lb. spot owing to higher spice market.

Oil Juniper Berries—Firm at \$1.60@\$1.75 lb. spot.

Oil Lemon—Italian has advanced to 98c@\$1.15 lb. spot with prompt shipment named at 70c lb. c.i.f. New York, and futures at 67c lb. American, 75c@80c lb.



Oil Lemongrass—Higher at \$1.10@1.20 lb. spot owing to scarcity. Last week saw 4 drums entered at New York.

Oil Mace—Firmier at \$1.60@1.70 lb. spot.

Oil Orange—Italian firm on spot at \$2.95@3.25 lb. with prompt shipment named at \$2.25 lb. c.i.f. New York, and futures at \$2.00 lb. West Indian, \$2.60@2.75 lb.

Oil Peppermint—Market has advanced again to \$9.00 @ \$9.50 lb. spot for natural, and \$9.50@10.00 lb. for redistilled with the lower figure for small lots, and for large quantities the maximum figures are inside. Country holding to \$9.25 lb, having passed the \$9.00 lb. mark early this week. Stocks in the country are reported well controlled.

Oil Sassafras—Slightly lower at \$1.10@1.20 lb. spot for U.S.P. goods as to quantity.

Oil Spearmint—Higher at \$4.35@4.60 lb. spot with the possibility of much firmer prices, as sales have been made in the country at \$4.50 lb.

Oil Wormseed—Lower at \$3.40@3.75 lb. spot due to weakness of spot holders.

Oil Wormwood—Higher at \$4.00@4.50 lb. spot owing to firmer replacement costs.

Aromatic Chemicals

Bromstyrol—Steady at \$3.50@4.00 lb. spot as to quality.

Coumarin—In active demand at \$3.25@3.45 lb. spot from makers, and \$3.25@3.30 lb. from resale quarters.

Terpineol—Quiet at 45c@54c lb. spot for domestic as to quantity, and 50c@55c lb. for imported material.

Vanillin—First hands report a steady demand at 49½c @50c oz. spot as to quantity, and resellers state that outside lots are firmly held at 47c oz. in bulk.

PERFUMERY EXPORTS LARGEST OF YEAR

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., Dec. 3.—Sales of American perfumery and toilet preparations to foreign countries in October, 1924, were still in excess of purchases from foreign countries, exports having attained \$717,940, the peak figure for the year so far, and a gain of 18 per cent over October, 1923, while imports had an aggregate value of \$516,172, a decrease from the preceding October, of 2 per cent, according to the Chemical Division, Department of Commerce.

The exports of essential oils during October, 1924, were likewise the highest for the year, with 122,410 pounds, valued at \$268,479, worth having been sent abroad. Demand for peppermint oil was extensive with total equalling 26,828 pounds, valued at \$167,034. Imports of this group were valued at \$531,152.

Imports of perfumery, cosmetics, and toilet preparations by the Philippine Islands during 1923 were valued at 1,374,342 pesos, of which about three-quarters came from the United States. As the Philippine statistics do not segregate the various classes in the group in order to show the annual requirements for the goods of this type the United States export statistics of exports to the Philippines for the year 1923 are given: Perfumery and toilet waters, 19,572 pounds, valued at \$29,267; talcum and other powders, 944,347 pounds, valued at \$307,658; creams, rouges, and other cosmetics, 22,322 pounds, valued at \$20,029; and dentifrices, 114,563 pounds, valued at \$73,091.

F. Rauch, of Magnus, Mabee & Reynard, New York, importers of essential oils and aromatic chemicals, has returned from an eight weeks' trip through the South.

COTY BRINGS SUIT FOR INFRINGEMENT

Charges Le Blume Import Co. Adulterated Rebottled Perfumes Manufactured by the Plaintiff—Attorney for Le Blume Accuses Coty of Attempt to Bribe Chemist

Coty, Inc., charges infringement of trade-mark and contemptuous conduct in relation to a recent ruling of the U. S. Supreme Court in a suit against Le Blume Import Co., Inc., of New York City. Hearing in the case was held on Tuesday, Nov. 25, before Judge Henry Goddard in the U. S. Court for the Southern District of New York.

In the affidavits submitted and read by the plaintiff's lawyers Le Blume Import Co. was accused of buying perfumes of noted French manufacturers in large quantities and rebottling them in smaller bottles, after the original perfume had been adulterated. The name of the manufacturer of the perfume was said to have been used to further the sale of the adulterated product.

In April, 1924, it was brought out, the Supreme Court of the United States ruled that rebottling of perfumes and other things was legitimate if the content of the new bottle was not adulterated and was the original product of the manufacturer. The name of the manufacturer had to be used on the label of the bottle. In this way it was supposed to protect the manufacturer after his product had been transferred to a new bottle. The ruling of the Supreme Court stressed the importance of the new bottle bearing the manufacturer's name, and that the contents could not be increased by adding any substance.

Charles H. Tuttle, attorney for the defense, denied that the rebottler was adulterating in any way the perfume bought from Coty. He accused the manufacturer's attorneys of raiding Le Blume Import Co. quarters and taking materials belonging to the rebottler in order to have them analyzed. In an affidavit submitted by Mr. Tuttle it was claimed that Coty, Inc., charged the rebottler with adulterating the original product by adding denatured alcohol, and that the two chemists who had analyzed the rebottled product had found that this was added to increase the amount. The affidavit further charged that the manufacturer was using the denatured alcohol, which accounted for finding it in the new bottle. The defendant accused the manufacturer of conspiracy to ruin his business by holding the court action over his head in an endeavor to ruin the Christmas trade.

An affidavit read by Mr. Tuttle, accused the manufacturer's attorneys of trying to buy the Le Blume Import Co.'s chemist. It was charged that this chemist had been approached on several occasions by the manufacturer's representatives and offered inducements to testify that the rebottled product had been adulterated. Another affidavit was read by Mr. Tuttle, which it was claimed was the conversation between the manufacturer's representative and the rebottler's chemist. This was obtained, according to Mr. Tuttle, through the use of a dictagraph and the conversation had been distinctly heard by witnesses placed in the next room. In this way it had been possible to submit the conversation as evidence. In the affidavit, it was asserted, that the plaintiff's representative pointed out to the chemist that he would make more money and have a very good position if he went with Coty, Inc., also that there would be no prosecution against him, but there would be against the rebottler.

The case was adjourned to Dec. 10

Exports of oil lime from the British West Indies during the eight months ended Aug. 31 were 19,110 pounds, of which 18,744 pounds came from Dominica.

Drug Consuming Industries

AMERICANS WIN OPIUM POINT

Geneva, Switzerland, Dec. 3.—The Opium Conference decided on Monday that the American proposal about opium eating in India is properly within the scope of the Conference program. Twenty-six States voted in favor of referring the proposal to the First Commission. India alone voted against it, while nine other States declined to vote either for or against it. In the balloting the British Empire lined up three different ways. Australia and England abstained from voting, India voted in the negative and Canada and Ireland voted to support the American motion. The countries that refused to vote were Australia, Bolivia, Great Britain, France, Greece, Holland, Portugal, Yugoslavia and Turkey.

The plan of procedure having been straightened out, the Conference is expected to get down to serious committee work, which has been delayed. Despite the adverse vote India remains in the Conference, although she has filed reservations and asks for time to communicate with the ten autonomous States composing the Indian Empire before discussing officially India's custom of opium eating.

Exports of castor oil from India during eight months ended Aug. 31 were 381,000 gals., compared with 540,000 gals. for a like period in 1923.

NARCOTIC IMPORT RULES AMENDED

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., Dec. 3.—Narcotic import regulations have been amended, according to a notice sent to collectors of customs by Assistant Secretary of the Treasury Moss. The fifth paragraph of Article 1006 of the Customs Regulations of 1923 has been amended to read as follows:

"All smoking opium, whether manifested or not, found on a vessel arriving at a port of the United States which may have been smuggled into the United States or into any territory under its control or jurisdiction, will be seized and forfeited without forfeiture proceedings of any character. Such smoking opium as well as narcotic drugs, forfeited in the manner provided by Section 607 of the Tariff Act of 1922 or not claimed under Section 608 of said Act, will be reported to the Federal Narcotics Control Board and retained in the custody of a collector pending instructions."

Dickinson & Co., New York, a new chemical company to handle denatured alcohol, gas black carbon, and a general line of heavy chemicals, has been formed by Charles Dickinson and Ralph Renouf with offices at 200 Fifth ave., New York. Both men have had long experience in the chemical business and were formerly associated with the Industrial Chemical Co., New York. Mr. Dickinson was connected with Industrial for twelve years and Mr. Renouf for five.

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BOPF & WHITAM
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Marjoram standards have been revised and adopted by the Department of Agriculture: Leaf marjoram, is the dried leaves, with or without a small proportion of the flowering tops, of the *majorana hortensis* moench. It contains not more than 16 per cent of total ash, not more than 4.5 of ash insoluble in hydrochloric acid, nor more than 10 per cent of stems and harmless foreign material.

Louis L. Pio, formerly purchasing agent for McKesson & Robbins, Inc., New York manufacturers, has resigned to become purchasing agent for the New York Quinine & Chemical Works, with offices at 99 North 11th st., Brooklyn, N. Y. Frank Arman, who was assistant to Mr. Pio at McK. & R., holds a similar position now with the N. Y. Q.

Judge & Dolph Drug Co., St. Louis, suffered fire and water damage to stock on Nov. 22. Work of the Salvage Corps protected much of the stock. The company carried \$96,000 on stock and \$20,000 on furniture and fixtures. The fire was caused by spontaneous combustion.

Protest of Frame & Co., New York, against excessive duty on certain imports of cloves was overruled by the Board of U. S. General Appraisers.

E. M. Cramer, Chicago has resigned as western representative of Peek & Velsor. He will announce his plans for the future soon.

United Drug Co. sales for October were \$7,009,000 compared with \$6,400,000 a year ago, an increase of \$609,000 or 9.5 per cent.

NEW \$15,000,000 BAKERY CO. FORMED


Purity Bakeries Corp. has been incorporated at Wilmington, Del., with authorized capital stock of \$15,000,000 par value of 7 per cent cumulative preferred stock, 400,000 shares of class A stock and 500,000 shares of class B stock. The companies to be taken over by the new corporation are Purity Baking Co., of Minnesota; Tri-state Baking Co., of Michigan; Banner Grocers' Baking Co., Cincinnati, and Grocers' Baking Co., Indianapolis.

The new company will control 15 plants, located in Minneapolis, St. Paul and Duluth, Minn.; Indianapolis, Ind.; Detroit, Flint, Battle Creek and Jackson, Mich., and Cincinnati, Toledo, Columbus, Hamilton and Akron Ohio.

In Parsons & Petit's circular of Nov. 21, which was published in part in last week's issue of "Drug & Chemical Markets," "not" was omitted in the last sentence. The sentence should have read as follows: "Imports during November are already over 1,250,000 pounds, but it is thought that little has been bought abroad for American account during the last month or two, so that not a great deal of the old purchases are yet to come, and prices in Europe are much above ours."

Dow Chemical Co., Midland, Mich., is sinking a new well for brine to be used in the production of bromides, chlorides and other specialties.

The annual meeting of the Synthetic Organic Chemical Manufacturers' Association will be held at the Hotel Commodore, New York, Friday, Dec. 12, at 11.30 a.m.



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Prices Current of Fine and Heavy Chemicals, Drugs, Essential Oils, Dyestuffs and Oils

CLASSIFICATION—Prices quoted herein are listed in the following groups: **Chemicals**, including heavy and technical chemicals, fine and medicinal chemicals, aromatic chemicals and isolates, crudes and intermediates from coal-tar, various fine alkaloids and miscellaneous products; **Crude Drugs, Essential Oils**, including cleoresins; **Fatty Oils**, including Animal, Vegetable and Fish Oils, Greases, Fats, and Tallow; **Tanning and Dye Extracts**, including miscellaneous natural tanning woods, extracts, etc. All groups are arranged in straight alphabetical order.

Packages—Prices are for large quantities in original packages of the customary trading units of weight or measure. A container given in connection with a price does not necessarily mean that this is the quantity on which the price is based. Containers named are the original packages most commonly sold in this market.

QUOTATIONS—Chemical prices quoted herein are those of American manufacturers unless otherwise specified. Quotations on imported chemicals are so designated. Where resale or "second hand" stocks of any chemical products are sufficient to be considered a factor in determining the market, prices for goods in this class will be quoted in addition to makers' prices available, and indicated as such. Chemical prices quoted herein are for goods spot New York or Metropolitan District,

f. o. b. or ex-store, for immediate shipment, unless otherwise specified. Numerous domestic made heavy or industrial chemical products are sold principally on a basis of f. o. b. works, and are thus quoted in the list herein, each instance of a "works" price, however, being specified as such.

Fatty Oils prices quoted herein are for goods spot New York unless otherwise noted; f. o. b. mills and Coast prices being designated as such. Crude Drugs and Essential Oils are quoted f. o. b. New York (Manhattan with limitations) for immediate shipment. Tanning and Dye Extracts are quoted spot New York unless otherwise noted.

WEIGHTS AND MEASURES—All quotations are made on a basis of avoirdupois pounds and ounces, and American gallons. The following equivalents are given for the reference of exporters, importers, and foreign buyers:

1 Imperial Gallon (British)	—1.20	American Gallons
1 American Gallon	— .833	Imperial Gallon
1 American Gallon	—3.79	Liters
1 Liter	— .264	American Gallon
1 American Gallon (Water)	—8.35	Pounds
1 Pound (Avoirdupois)	— .454	Kilogram
1 Kilogram	—2.20	Pounds

Style and Arrangement Copyright by DRUG & CHEMICAL MARKETS, 1922

Chemicals

ACETANILID , tech. 150 lb bbls...D	.28	: .28	Acid Carbolite —(continued)			Acid, hydrofluoric —(continued)		
100 lb kgs...D	.27	: .30	Liquid USP, 1 lb bot...D	.34	: .35	60% 100 lb cty., wks...D	...	: .14
USP 200 lb bbls...D	.36	: .38	Crude, 25% 50 gal. bbls...gal	.33	: .35	60% 300 lb dr., wks...D	...	: .13
Second Hands...D	.35	: .36	10% 50 gal. bbls...gal	.27	: .30	White Acid, 100 lb cty. wks...D	...	: .26
Acetic Anhydride ...D	...	...	Carbonic , see Carbon Dioxide			White Acid, 10 cty. wks...D	...	: .25
85-89%, 107 lb cty...D	...	: .40	Chloracetic			Hydrofluosulfic , 35% 450 lb bbls...	...	: .13
90-95%, 100 lb cty...D	...	: .43	mono 100 lb bbls, wks...D	...	: .25	wks...D	...	: .13
C.P. 100 lb cty...D	...	: .40	DI, 150 lb cty wks...D	...	: 1.00	Hypophosphorous , USP 30% 5		
Acetone , CP 700 lb drs. c/l wks...D	.15	: .17	Tri, 425 lb bbls, wks...D	...	: 2.50	gal. demis...D	...	: .85
700 lb drs. lc/l wks...D	.15 1/4	: .18	Chlorosulfonic , 1500 lb drs.			USP, 10% 5 gal. demis...D	...	: .30
350 lb drs. lc/l wks...D	.15 1/4	: .18	wks...D	.15	: .16	LACTIC , 22% dark 500 lb bbls...D	.05	: .05 1/4
Second Hands, spot...D	.15 1/4	: .17	Chromic , USP 200 lb drums...D	...	: .40	22% light bbls...D	.06	: .06 1/4
Acetone , 100 gal. drums...D	...	: .35	85% Pure, 200 lb drums...D	...	: .35	44% dark bbls...D	.10 1/4	: .11
Acetone Oils, light, drs. wks...gal	1.40	: 1.45	Chromotropic , 300 lb bbls...D	...	: 1.35	44% light bbls...D	.13 1/4	: .13
Heavy, drs., wks...gal	1.40	: 1.45	Chrysanthic , see Chrysarobin			66% bbls, dark, bbls...D	.16 1/4	: .17
Acetophenetidin , 150 lb bbls...D	1.85	: 1.90	Cinnamic , 5 lb cans...D	...	: 3.93	66% light bbls...D	.26	: .26 1/4
Acetyl Chloride , 100 lb cty...D	.40	: .41	CITRIC , USP cryst. 230 lb bbls...D	...	: .46	USP IX 100 lb cty...D	...	: .75
Acid , 1, 2, 4, 250 lb bbls...D	...	: 1.80	Powd., USP, 200 lb bbls...D	...	: .47	USP VIII 100 lb cty...D	...	: .70
Acetic , 35%, 400 lb bbls, c/l			Imported, crys. 112 lb kgs...D	.46	: .46 1/4	Laurent's , 250 lb bbls...D	...	: .90
wks...D	...	: 2.12	Single kgs...D	...	: .47	Metanilic , 250 lb bbls...D	.60	: .65
28%, lc/l wks...100 lb	...	: 2.37	Cleene 250 lb bbls...D	1.00	: 1.10	Mixed , sulfuric-nitric		
56%, c/l wks...100 lb	...	: 5.25	Cresylic , 95% dark dr. NY...gal	.55	: .60	Drums, wks...N Unit	.07 1/4	: .08
56%, lc/l wks...100 lb	...	: 6.10	97-99% pale, drs. NY...gal	.60	: .65	Drums, wks...8 Unit	.01	: .01 1/4
70% bbls, c/l wks...100 lb	...	: 7.20	Crude, spot, drums...gal	...	: ...	Tank cars, wks...N Unit	.06 1/4	: .07
70% lc/l wks...100 lb	...	: 7.45	Diethylbarbituric , Dom., 25 lb lots,			Tank cars, wks...8 Unit	.009	: .01
80% coml. bbls, c/l wks...100 lb	...	: 8.19	1 lb bot...D	8.00	: 10.00	Molybdic , 85% pure 100 lb kgs...D	1.35	: 1.60
80% coml. lc/l wks...100 lb	...	: 8.44	Imp. 10 lb lots...D	4.50	: 5.00	100% C.P. 100 lb kgs...D	2.00	: 2.10
80% pure bbls, c/l wks...100 lb	...	: 9.98	Formic, 85% tech. 140 lb cty...D	.11	: .11 1/4	Monosulfonic F. Delta , 50 lb		
80% pure lc/l wks...100 lb	...	: 10.23	90%, 80 lb cty. incl...D	.11 1/4	: .12	tins...D	...	: 2.10
Glacial, bbls, c/l wks...100 lb	...	: 11.01	Gallie , USP, 150 lb bbls...D	...	: .70	MURIATIC , 20° cty. lc/l		
Glacial, lc/l wks...100 lb	...	: 11.26	Gamma, 225 lb bbls, wks...D	1.40	: 1.50	wks...100 lb	1.66	: 1.75
Glacial USP cty. wks...100 lb	...	: 11.76	Glycerophosphoric , 25% 1 lb b. D	1.85	: 1.95	Cty. c/l wks...100 lb	1.20	: 1.35
Acetylmalleylic , 220 lb bbls...D	.75	: .75	H 225 lb bbls wks...D	.72	: .75	Tank cars, wks...100 lb	1.00	: 1.10
Second Hands...D	.72 1/4	: .75	Hydroiodic , 10% USP 5 lb bot...D	...	: .75	18°, 120 lb cty.		
Anthrathic , tech., drs...D	...	: .94	Hydrobromic , 48% coml. 155 lb			c/l wks...100 lb	1.00	: 1.10
90-100%, 100 lb drs...D	...	: 1.00	ctys. wks...D	.45	: .48	Tank cars, wks...not ton	...	
Benzole , tech. 100 lb bbls...D	...	: .75	48% coml. 10 cty. wks...D	...	: .45	22°, 120 lb cty.		
Tech. ton lots bbls...D	...	: .70	40% USP 155 lb cty. wks...D	...	: .55	c/l wks...100 lb	1.75	: 2.00
USP, 100 lb bbls...D	.75	: .85	10% USP 100 lb cty. wks...D	...	: .13	Iron , free 20° cty.		
Second Hands...D	.70	: .75	Hydrochloric , see also Acid Muriatic			c/l wks...100 lb	...	
Biclc , crys. powd. 250 lb bbls...D	.10	: .10 1/4	CP, USP, 110 lb cty...D	.08	: .11	Tank cars, wks...not ton	...	
Keps, 100 lb...D	...	: 1.25	HYDROFLUORIC , 30% 400 lb bbls...			Muriatic , CP & USP, see Acid Hydrochloric		
Brownner's 250 lb bbls...D	.40	: .50	wks...D	...	: .07	Naphthalenic , tech. 250 lb bbls...D	...	: .62
Butyric , 60% pure 5 lb bot...D	1.25	: 1.50	30% bbls, c/l wks...D	...	: .07	Refined, single bbls...D	...	: .65
C.P. 10 lb bot...D	5.90	: 6.00	30% 100 lb cty. wks...D	...	: .11	Neville & Winter's , 250 lb		
Chamberic , USP, VIII 1 lb bot...D	...	: 5.90	48% single 100 lb cty. wks...D	...	: .10	bbls...D	1.10	: 1.25
Carbolic , USP crys. see also Phenol			48% 10 cty. wks...D	...	: .14			
112 lb tins...D	.26	: .27	52% 100 lb cty. wks...D	...	: .14			
25 lb tins...D	.26	: .29	52% 10 cty. wks...D	...	: .11			
50 lb tins or bot...D	.26	: .31						
1 lb bot...D	.35	: .36						

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ACID, NITRIC, 36° 135B			ACID, Sulfuric			ALCOHOL—(continued)		
lc/l chys. wks.....100B	4.75	5.25	lc/l wks.....100B	1.50	1.75	Isopropyl, crude 50 gal. drs..gal.	...	4.50
Chys. c/l wks.....100B	4.50	4.75	Drums, c/l wks.....100B	1.25	1.50	Refined, 90% 50 gal. drs..gal.	6.90	6.95
38° lc/l chys. wks.....100B	5.25	5.75	Tank cars, wks.....net ton	17.00	18.00	Ref'd, 90% drs.....gal	8.75	8.85
Chys., c/l wks.....100B	5.00	5.25	Contract cars, wks.....ton	...	...	Methyl, see Alcohol, Wood		
40° lc/l chys. wks.....100B	5.75	6.00	Oleum, 40% drs lc/l wks.net ton	...	40.00	Propyl. nml. crd. 50 gal. drms.gal	...	4.40
Chys., c/l wks.....100B	5.50	5.75	Oleum, 60% drs., lc/l wks.net ton	60.00	70.00	Refined, 16B cans.....B	...	.75
42° lc/l chys., wks.....100B	6.25	6.75	Sulfurous, USP 6% 100B chys.B	.05	.06	Denatured		
Chys., c/l wks.....100B	6.00	6.25	4% 100B chys.....B	.04	.05	No. 1 Complete Denat. 188 Proof		
C. P. chys. single wks.....100B	.15	.16	USP, 5 gal. demis.....B	.06	.08	50 gal. bbl. incl.....gal	.65%	.67%
Oxalic, 300B bbls., wks.....B	.09%	.09%	Tannic, tech. 300B bbls.....B	.30	.40	50 gal. drums, extra.....gal	.58%	.60%
Ecals, NY.....B	.09%	.10	USP, powd. 200B bbls.....B	.75	.80	No. 1 Special Denat. 190 Proof		
Keps, 100B NY.....B	.10%	.11	USP, fluffy, 40B bbls.....B	.75	.80	50 gal. bbl. incl.....gal	.64%	.66%
Imp., 560B cans.....B	...	.00%	Tartaric, USP cryst 300B bbls.B	...	.29	50 gal. drums, extra.....gal	.57%	.59%
Phenylcinchonide, domestic.....B	8.50	9.00	USP, powd. 300B bbls.B	...	.29	No. 5 Complete Denat. 188 Proof		
Imported, 5 B's.....B	7.00	7.25	Imp. USP, 240B bbls.....B	.26%	.27	50 gal. bbls. incl.....gal	.63%	.65%
Phosphoric, 50% tech. 100B			Pow., 240B bbls.....B	.26%	.27	50 gal. drums, extra.....gal	.56%	.58%
chys.....B	.09	.10	Tobias, 250B bbls.....B	.90	.95	No. 6 Complete Denat. 188 Proof		
USP, Syrupy 85°, 70B.			Tungstic, 100B kegs.....B	...	1.00	50 gal. bbls. incl.....gal	.62%	.64%
demis.....B	.16	.17	Valeric, C.P., 10B bot.....B	2.50	2.75	50 gal. drums, extra.....gal	.55%	.57%
Imported.....B	...	...	Acortine Alk. cryst. 1 oz. vis.oz	...	30.00	In addition to the regular authorized formulae for completely denatured alcohol, some 75 formulae for specially denatured alcohol are authorized for special uses. Owing to the limitations of their uses however, prices are quoted by the alcohol producers only to holders of permits allowing the use of specially denatured formulae in products authorized by the Dept. of Internal Revenue.		
Phthalic, see Phthalic Anhydride			Amorphous, 1 oz. vis.....oz	...	20.00	Alcain, USP, 100B cases.....B	.88	.90
Picramic, 300B bbls.....B	...	.65	Adeps Lanse, hydrous 350B bbls.B	.15	.21	Alpha-Naphthol crude 300B bbls.B	...	.65
Pieric, 450B bbls.....B	...	.30	Anhydrous, 350B bbls.....B	.18	.23	Refined.....B	...	.89
Bbls. car lots wks.....B	.20	.25	Albumen, Egg, edible.....B	...	1.25	Alpha-Naphthylamine, 350B bbls.B	.35	.37
Pyrogallic, crys. 5B cans.....B	1.25	1.30	Blood.....B	.45	.50	Ton lots, bbls. wks.....B	...	.35
Resublimed, 5B cans.....B	1.55	1.65	Vegetable.....B	.60	.70			
Tech. powd., 300B bbls.....B	...	.85	Technical, see Dyes Sundries					
Salicylic, tech., 125B bbls.....B	.33	.34	ALCOHOL, USP 190 pf. 50 gal.					
USP, 100B bbls.....B	...	.35	bbls.....gal	4.92	5.01			
Second Hands.....B	.32	.33	Second Hands, bbls, USP 190					
Sulfanilic, 250B bbls.....B	.16	.20	pf.....gal	...	...	
SULFURIC, 66° 180B chys.			Export, USP, 190 pf.....gal	.55	.85			
lc/l wks.....100B	1.50	1.85	Cologne Spirit, 50 gal. bbls.gal	5.00	5.10			
Chys., c/l wks.....100B	...	1.35	WOOD, see Methanol					
1500B Drums, lc/l			Alcohols also in 50 gal.					
wks.....100B	...	1.25	drums extra and returnable.					
Drums, c/l wks.....100B	...	1.10	Butyl, 50 gal. drums, wks.....B	...	.28			
Tank cars, wks.....net ton	...	14.00	Tank cars, wks.....B	...	.27			
60° 1500B Drums			Tank cars, wks.....B	...	.30			
lc/l wks.....100B	.75	1.00	Isobutyl, crude 50 gal. drums.gal	...	...	
Drums, c/l wks.....100B	.65	.75	Refined, 10 B can.....B	1.10	1.20			
Tank cars, wks.....net ton	9.00	9.50						
C. P. 175B chys.....100B	.08	.09						

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Chemicals

ALUM, Ammonia, lump 400 lb bbls.			AMMONIA, anhyd. 100 lb cyl....D			AMMONIUM—(Continued)		
Wks. ....100 lb	3.15	: 3.75	Water, 26° 800 lb dra. wks....D	...	: .06%	Persulfate, 112 lb cases....D	.35	: .40
Imp., 500 lb cases....100 lb	...	: ...	Dra. c/l wks....D	...	: .06%	Phosphate, dibasic 200 lb bbls....D	...	: .38
Ground, 400 lb bbls. wks.100 lb	3.30	: 4.00	C.P., chys. ....D	...	: .14	Tech. powd. 325 lb bbls....D	...	: .18
Powd. 380 lb bbls. wks. 100 lb	3.45	: 4.25	Imp., 800 lb dra. incl. spot. lb	...	: .06%	Phosphate, mono, 325 lb bbls....D	...	: .12%
Chrome 500 lb cks. wks.100 lb	5.50	: 6.00	26° 100 lb chys. lc/l wks....D	...	: .07%	Sulfolate, USP 100 lb kegs....D	.75	: .80
Potash, lump 400 lb bbls.			Chys. c/l wks. ....D	...	: .07%	Sulfate, bulk, c/l wks....100 lb	2.75	: 2.80
Wks. ....100 lb	3.60	: 3.80	20° 800 lb dra. lc/l wks....D	...	: .05%	200 lb single bgs. c/l wks.100 lb	...	: 2.50
Bls. c/l wks....100 lb	...	: 3.10	Chys. lc/l wks....D	...	: .06%	200 lb double bgs., f.a.s.100 lb	...	: 3.00
Imp. 650 lb cases s.p....100 lb	2.75	: 3.00	18° 800 lb dra. lc/l wks....D	...	: .04%	Sulfoyanide, tech., 100 lb kegs....D	.50	: .60
Ground 400 lb bbls. wks.100 lb	3.25	: 3.75	Chys., lc/l wks. ....D	...	: .05%	CP, 25 lb jars ....D	.60	: .70
Imp. 650 lb cases....100 lb	2.50	: 2.75	16° 800 lb dra. lc/l wks....D	...	: .04%	Amyl Acetate, tech. 50 gal. dra. gal	3.00	: 3.15
Powd., 380 lb bbls. wks.100 lb	3.50	: 4.25	Chys., lc/l wks. ....D	...	: .05%	Refined, 50 gal. drums....gal	3.60	: 3.75
Chrome, 500 lb cks wks.100 lb	5.50	: 6.00	Ammonium Acetate, 100 lb kegs....D	...	: .37	Alcohol, see Fuel oil		
Soda grd. 400 lb bbls. wks.100 lb	...	: 4.00	Benzoate, USP, 1 lb bot....D	.90	: .95	ANILINE OIL, 900 lb dra....D	.16	: .17
Bls. c/l wks....100 lb	...	: 3.50	Bifluoride, 300 lb bbls....D	.22	: .23	Aniline Salt, 200 lb bbls....D	.20	: .22
Alumina, metal, c/l NY....100 lb	27.00	: 28.00	100 lb kegs ....D	.23	: .24	Anthracene, 80-85%, 600 lb cases		
Chloride, anhyd. 275 lb dra....D	.20	: .22	Bromide, 50 lb boxes ....D	.54	: .55	Wks. ....D	.80	: .85
Crystals, 375 lb bbls....D	...	: .06%	Imported, 112 lb boxes....D	.48	: .50	28-30%, Imp. ....D	.03	: .02%
30% sol. 120 lb chys....D	.03%	: .04	Carb. tech. 560 lb cases....D	...	: .08%	Anthraquinone, sublim. 125 lb bbls....D	1.00	: 1.15
Hydrate 96% light 90 lb bbls....D	.17	: .18	Powd., tech. 385 lb bbls....D	...	: .09	Antimony metal, slabs ton lots.100 lb	.14%	: 14%
Heavy 62-64%, 220 lb bbls....D	.06	: .06%	USP, lump, 100 lb kegs....D	.12%	: .13%	Needle Powd., 100 lb cases....D	...	: .09%
400 lb bbls, wks....D	.06%	: .07	Powd., 100 lb kegs ....D	.11%	: .12	ANTIMONY CHLORIDE, anhyd 1000 lb		
SULFATE, Iron-free bags c/l			Chloride, Domestic			dra. ....D	...	: .35
Wks. ....100 lb	2.25	: 2.35	White, 250 lb bbls., c/l....D	...	: .07%	50 lb crocks ....D	.45	: .48
Imported, spot ....100 lb	2.00	: 2.25	250 lb bbls. lc/l wks....D	.07%	: .08	Sol'n, 150 lb carboys 33°....D	...	: .06
Comm'l., 1/4% iron, bgs. c/l			Imp. wh. 250 lb cases spot. lb	.06	: .06%	Oxide, 500 lb bbls....D	...	: .11
Wks. ....East 100 lb	...	: 1.35	Gray 250 lb bbls, wks....D	.08	: .08%	Salt, com. 500 lb bbls....D	...	: .35
Cont. bgs. c/l wks. E.100 lb	1.30	: 1.35	Bbls. c/l wks....D	...	: .07%	Imp., NY ....D	...	: .19
Bags, c/l wks. W....100 lb	...	: 1.30	Imp. gray 250 lb cases....D	.07%	: .07%	Sulfuret, golden 500 lb bbls....D	...	: .21
Bbls., c/l wks. East.100 lb	...	: 1.50	Lump, 500 lb cases spot....D	.11%	: .12	336 lb kegs ....D	...	: .19
Bulk, c/l cont. wks. E.100 lb	...	: ...	Ichthyolate, as to brand....D	4.85	: 5.00	Crimson, 500 lb bbls....D	...	: .38
Ambiol, (see Diaminophenol)			Iodide, USP, 25 lb jars....D	...	: 5.30	336 lb kegs ....D	...	: .36
Amblypyrine, Imp. 10 lb boxes....D	4.35	: 4.50	Lactate, 500 lb bbls....D	.15	: .16	Red, 500 lb bbls....D	...	: .45
Domestic, 10 lb boxes ....D	...	: 4.60	Nitrate, tech. crys. 225 lb bbls....D	...	: ...	336 lb kegs ....D	...	: .42
Antrocarbons, 110 lb kegs....D	...	: 1.15	Refined Crystals, bbls....D	.21	: .23	Tartrolactate, 500 lb bbls....D	...	: .45
			CP gran. 100 lb kegs....D	.35	: .37	Antipyrine, USP, 100 lb cases....D	1.90	: 2.00
			Oxalate, pure, 100 lb kegs....D	.40	: .42	Apomorphine Hydrochloride, 1/4 oz. via. oz	...	: 22.75
						Arecoline Hydrobromide, 1 oz. vial....oz	6.25	: 7.32
						Argols, red powd., 350 lb bbls....D	.06	: .07

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PRICES CURRENT SECTION

Chemicals

Arsenic, metal, 220 lb kegs.....lb			.45		
Red, 224 lb kegs cases.....lb			.15		.15%
White, 220 lb cases to 550 lb bbls., NY.....lb			.06%		.06%
Asbestine.....ton			18.00		18.00
Aspirin, see Acid acetylsalicylic					
Atropine, Alk. USP, 1 oz. vial....oz			5.00		5.57
Sulfate, 5 oz. cans.....oz					2.75
Single ounce.....oz					2.92
BARIUM BINGXIDE, see Barium chloride					
Carbonate, precip., 800 lb bbls. wks.....ton			66.00		70.00
Precip., 200 lb bbls., wks.....ton			64.00		66.00
Imports, bbls., spot.....ton			54.00		55.00
Chloride, 800 lb bbls., wks.....ton			70.00		72.50
200 lb bbls., wks.....ton			70.00		72.50
Import, bbls., spot.....ton			63.00		65.00
Dioxide, 88% 690 lb dra.....lb			.17		.18
Import, 86-88% 400 lb dra.....lb					.15
Hydrate, 500 lb bbls.....lb					.05
Iodide, 5 lb box.....lb					5.15
Nitrate, 700 lb cans.....lb					.10
Import cases.....lb					.07%
Sulfocyanide 400 lb bbls.....lb					.35
Barytes, floated 350 lb bbls wks.....ton			23.00		24.00
Imported.....ton			29.00		33.00
Bay Rum, Porto Rican, genuine					
Medicated salicyl. acid or tartar emetic 45 gal. bbls.....gal			1.05		1.15
Medicated quinine sulf. 45 gal. bbls.....gal			1.05		1.15
Domestic synthetic, 50 gal. bbls.....gal			.90		1.00
St. Thomas					
Medicated salicyl. acid or tartar emetic, 50 gal. bbls.....gal			1.10		1.20
Benzaldehyde, tech. 945 lb dra. wks.....lb			.70		.75
USP, 40 lb chys.....lb			1.40		1.50
FFC, 40 lb chys.....lb			1.50		1.65
BENZENE, 90% 8000 gal. tanks wks.....gal					.23
110 gal. dra., wks.....gal					.23
Pure Tanks, wks.....gal					.25
110 gal. dra. wks.....gal					.30
Benzidine Base, dry 250 lb bbls. lb			.78		.80
Benzidine Sulfate, paste 350 lb bbls.....lb			.70		.72
Benzol, see Benzene					
Benzonaphthol, 5 lb boxes.....lb			3.50		3.60
Benzoyl Chloride, 500 lb dra.....lb					1.00
Benzyl Acetate, 100 lb chys.....lb			1.55		1.75
Alcohol, 5 lb bot.....lb			1.45		1.55
Benzoate, 5 lb bot.....lb			1.60		1.75
Medicinal FFC.....lb			1.75		2.00
Chloride, 95% tech. 925 lb dra. lb					.25
100 lb chys.....lb			.25		.30
Redistill. 160 lb chys.....lb			.40		.45
Formate, 1 lb bot.....lb			3.00		3.25
Berberine Hydrochloride, 1 lb bot.....lb					22.50
Sulfate, acid or neut. 1 lb bot.....lb					22.00
BETA-NAPHTHOL, 350 lb bbls. wks. lb			.24		.25
Carlots, wks.....lb					.23
Sublimed.....lb			.55		.60
Beta-Naphthylamine, tech. 200 lb bbls.....lb			.65		.67
Sublimed, 200 lb bbls.....lb					1.35
Bichloride Mercury, see Mercury Bichloride					
BISMUTH metal, 150 lb cases.....lb					1.61
Second Hands.....lb					1.61
Ammon. Citrate, USP 5 lb bxs.....lb					5.30
Betanaphtholate, 5 lb bxs.....lb					2.85
Citrate, USP 5 lb bxs.....lb					2.55
Nitrate, 25 lb jars.....lb					1.65
Oxychloride, 25 lb bxs.....lb					3.05
Phenolsulfonate, 5 lb cans.....lb					2.70
Salicylate, 25 lb bxs.....lb					1.75
Subcarbonate, USP, 25 lb bxs.....lb					2.85
X-Ray diag. 1 lb bot.....lb					3.20
Subgallate, USP, 25 lb bxs.....lb					2.30
BISMUTH—(Continued)					
Subiodide, 5 lb lots.....lb					4.15
Subnitrate, USP, 25 lb jars.....lb					2.35
Second Hands.....lb					2.35
Cones, 1 lb bot.....lb					3.35
Subsalicylate, USP, 175 bbls.....lb					2.60
Tannate, 1 lb bot.....lb					2.20
above on basis 25 lb lots. Smaller lots at an advance.					
Blanc Fixe, dry 400 lb bbls. wks. ton			75.00		86.00
Imported, bbls.....ton			70.00		72.00
Paste, 650 lb bbls.....ton			50.00		55.00
BLEACHING POWDER, 700 lb dra. c/l wks.....100 lb					2.00
Drums lc/l ex-warehouse.....100 lb			2.35		2.60
Contract, c/l wks.....100 lb			1.90		2.15
Drums, lc/l wks.....100 lb			2.15		2.40
Imported, spot.....100 lb					
Blue Ointment, see Mercury					
Mans, see Mercury					
Bone Ash, 100 lb kegs.....lb			.06		.07
Black, 200 lb bbls.....lb					.06
Borax, USP, crys. 400 lb bbls.....lb			.05		.05%
Powdered, USP, 300 lb bbls.....lb			.05		.05%
Kegs USP, 100-150 lb.....lb			.05%		.05%
Bordeaux Mixture, 18% pd. bbls. lb			.11%		.18
Paste, bbls.....lb			.08		.10
Borzeol. 1 lb bot.....lb					8.50
Bromide, see potass. bromide, etc.					
Iromine, bot. in 50 lb cs. wks.....lb					.46
Bromobenzene, 600 lb drums.....lb			.40		.42
Bromoform, USP 5 lb bot 50 lb cs. lb					1.65
Brucine Sulfate, 100 ozs.....oz			.15		.25
Butter of Antimony, see Antimony Chloride					
Butyl Acetate, 100 gal. drums.....gal			2.40		2.50
CADMIUM, metal 100 lb bxs.....lb			.95		1.00
Bromide, 50 lb cases jars.....lb					1.20
Iodide, 10 lb bot.....lb					4.45
Sulfide, cs.....lb			1.50		1.60

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Chemicals

CAFFEINE ALK, USP 5 lb cans..D	3.50	: 3.75	CAMPHER, Amer. ref: 250 lb			Chalk, drop 175 lb bbls.....D		: .83%
Second Hands	3.40	: 3.45	bbls.	: .80		Precip. light 250 lb cans.....D		: .04%
Hydrochloride, 1 lb bot.....D	6.05	: 6.55	2 1/2 lb slabs, 100 lb cs.....D	: .81%		Precip. heavy 500 lb cans.....D		: .04%
Sulfate, 1 lb bot.....D	5.40	: 5.90	1 lb cakes, 100 lb cs.....D	: .81%		Bulk	5.00	: 8.00
Citrate, 25 lb cans	2.90	: 3.10	1 oz. tab., 1 lb ctms.....D	: .85%		Precip. English, 7 lb bags.....D		: .07%
Hydrobromide, 1 lb bot.....D	4.65	: 4.90	100 lb cs.....D	: .86%		Charcoal, Bone, see bone black		
CALCIUM Acetate, 150 lb bgs, c/1			1/2 oz. tab., 1 lb ctms.....D	: .88		Wood, powd. 100 lb bbls.....D	.04	: .05
100 lb		: 3.00	100 lb cs.....D	: .88		Willow, powd. 100 lb bbls.....D	.06	: .07
Arsenate, 100 lb bbls. c/1 wks..D	.08	: .09	Jap. ref., 2 1/2 lb slabs, 100 lb	.67	: .68	China Clay, Dom., crude.....ton	6.00	: 8.00
Bromide, 100 lb cs.....D		: .60	cs.....D			Washed & Ground	8.00	: 15.00
Carbide, 220 lb dr. c/1 wks..D		: .04%	1 oz. tab., 100 lb cs. 1 lb		: .80	Imp., Filler Clay.....ton	12.00	: 15.00
Drums, 1c/1 wks.....D		: .05	time			Coating	13.00	: 20.00
Carbonate, tech. 100 lb bags			1/2 oz. tab., 100 lb cs., 1 lb		: .81	Chloral Hydrate, USP 100 lb drs..D	.75	: .80
c/1	1.00	: 1.10	time			25 lb jars .....	.83	: .85
USP, precip. 175 lb bbls..D		: .04	Chinese ref. 2 1/2 lb slabs 100 lb			Chinoidin, 140 lb drs.....D		: .40
Chloride, solid, 650 lb drs. c/1			cs. D.....D			Chloramine-T, 5 lb bot.....D	1.35	: 2.50
f.a.h. NY		: 24.50	Crude, 100 lb cs.....D	.58	: .60	Chlorosane, 5 lb bot.....D	.55	: .75
Imp. shipment		: 19.50	Camphor, Monobrom., 100 lb cs..D	1.85	: 1.90	Chlorhydrin, Ethylene anhyd. 600 lb		
Gran., 350 lb drs. c/1 f.a.h.			Caramel, 50 gal. bbls.....gal		: .70	dra.....D	.75	: .85
NY		: 30.50	Carbonol, 250 lb bbls.....D		: .50	40% soln. 100 lb ctys.....D	.25	: .30
Flake 350 lb drs. c/1 drs. f.a.h.			Carbon Bisulfide, 500 lb drs. 1c/1 NY		: .06%	CHLORINE, Liquid 2000 lb c/1		
NY		: 30.50	c/1 drums, NY.....D		: .06	c/1 wks.....D		: .04%
Anhyd., 350 lb drs. f.a.h. NY..D	.13	: .20	Carbon Black, 12 1/2 lb bags.....D	.09	: .10	Tank car lots, wks. Contract..D		: .04
Glycerophosphate, 350 lb bbls..D		: 1.40	Carbon Dioxide, Liquid, 30-35 c/1.		: .06	100 lb c/1 c/1 .....	.05%	: .05%
Hydrate, (see Lime)			Carbon Tetrachloride, 1400 lb drs.			100 lb c/1 1c/1 wks.....D	.07	: .08
Hypophosphite, USP, 25 lb cans..D	.60	: .65	NY .....	.07	: .07%	100 lb c/1 1c/1 ex-warehouse..D	.08	: .09
Iodide, 5 lb bot.....D		: 4.40	Drums, c/1 NY		: .06%	Chlorobenzene, mono. 100 lb drs.		
Lactate, tech. 500 lb bbls.....D		: .13%	700 lb drs. single NY.....D	.07%	: .08	dra. c/1 wks.....D	.08	: .08%
U.S.P. ....	.50	: .60	Carmine, No. 40, 5 lb boxes.....D	4.75	: 4.85	Tank car lots wks.....D		: .08
Nitrate, 220 lb bbls. c/1 NY ton		: 40.00	Cassia, edib., 100 lb bag.....D		: .45	CHLORFORM, USP 50 lb drs..D		: .35
Phosphate, tech. 350 lb bbls..D	.09	: .10	Technical, 200 lb bbls.....D	.10	: .10%	Second Hands, 650 lb drs.....D	.33	: .33
Phosphate, precip. tribasic 200 lb			Castoreum, 1 lb boxes.....D	4.00	: 4.50	Technical, 650 lb drums.....D	.31	: .33
bbls., wks.....D	.11	: .14	Castor Oil, USP, 50 gal. bbls.....D		: .17%	Chlorophyll, Oil Sol.....D	2.50	: 2.75
Phosphate, mono, 325 lb bbls..D	.07	: .08	Cassa, 80 lb 2 tins.....D		: .13%	Water Sol.....D	3.75	: 4.00
Sulfocarbamate, 100 lb bags....D	.55	: .57	Tech. see Fined Oils			Chromium Acetate, 20% soln. 400 lb		
Calomel, see Mercury			Caustic Potash, see potash, caustic			bbls.....D	.97	: .08
			Soda, see soda, caustic			Fluoride, Powd. 400 lb bbls.....D		: .00
			Cellulose Acetate, 100 lb cases..D	1.75	: 2.00	Solp. 400 lb bbls.....D		: .55
			Cerium Oxalate, USP 100 lb kgs..D	.35	: .38	Chrysarobin, USP, 5 lb cans.....D	5.25	: 5.85
						Cinchonidin, alk. powd. 100 oz. tinsos		: .60
						Crystal		: .65
						Sulfate, 100 oz. tins.....D		: .60
						Resale, 1,000 oz. lots.....D		: .39

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Chemicals

Cinchonine alk., pvd. 100m. tins.oz	...	: 38	COPPER metal electrolytic c/l			Diethyl Sulfate tech. 50 gal. drs. D	.20	: .25
Crystal	...	: 43	Lake NY	14.00	: 14.25	CP drums	.40	: .50
Sulfate, 100 m. tins.oz	...	: 25	Casting, c/l NY	14.00	: 14.50	Digitalin, Pure, 1 oz. vial.....oz	9.75	: 10.25
Citric Acidment, see Mercury			Carbonate, 400b bbls.....D	.16	: .17	Dimethylamine, 840b drs. wia. D	.35	: .36
Coal Tar, See Tars			Chloride, 250b bbls.....D	...	: .28	Dimethylsulfate, 100b drs.....D	...	: .50
Cobalt metal, 100b kgs.....D	2.50	: 3.00	Cyanide, 100b drs.....D	.49	: .50	Dinitrobenzene, 400b bbls.....D	.16	: .17
Cobalt Oxide, 500b bbls.....D	...	: 2.10	Iodide, 5b bot.....D	...	: 5.65	Dinitrochlorobenzene, 400b bbls. D	.18	: .19
10b tins, 200b cases.....D	...	: 2.45	Oxide, red 1000b bbls. ton lots D	.16 1/2	: .17	Dinitronaphthalene, 350b bbls. D	.32	: .34
			Sub-Acetate, verd. 440b bbls. D	.23	: .28	Dinitrophenol, 350b bbls.....D	.33	: .35
COCAINE alk., USP, 1 oz. vial. oz	...	: 10.00	SULFATE, crys. 450b bbls. le/l			Dinitrotoluene, 300b bbls.....D	.19	: .20
Hydrochloride, USP—1 oz. vials,			spot	4.75	: 4.90	Dionin, see Morphine, Ethyl		
25 oz. ....oz	...	: 7.07	Carlots, bbls. f.o.b. NY 100b D	4.60	: 4.65	Diphenylamine, 250b bbls.....D	.48	: .50
In 1/2 oz. vials.....oz	...	: 7.50	Carlots, bbls. delivered 100b D	4.75	: 4.90	Diphenylguanidine, 170b bbls.. D	1.10	: 1.15
In crystals, granular, powder,			Imp. 550b cans spot.....100b D	4.40	: 4.50	Dover's Powder, USP 5b tin.....D	2.20	: 2.30
or flaky crystals as desired.			Powdered, 350b 5 bbls.....D	5.50	: 5.75	Duboisine Sulfate, 1 oz. vial.....oz	...	: 30.07
Cocoa Butter, bulk, 200b bales. D	.31	: .32	Copperas, bulk c/l wia.....ton	...	: 15.00	EARTH, Diatomaceous, see Kieselguhr		
Fingers, cakes, etc. 12b tins..D	.34	: .35	200b bgs, c/l wia.....ton	...	: 18.00	Kinetine alk., 15 gr. vial.....oz	...	: 1.30
CODEINE, alk., 1 oz. via. 10 oz.			400b bbls. c/l wia.....ton	...	: 20.00	Hydralide, USP 1 oz. vial.....oz	17.00	: 17.50
lots	...	: 9.87	Powdered, bbls.....100b D	1.80	: 2.00	15 gr. vials.....oz	...	: .76
Hydrobromide, 1 oz. via. 10 oz.			Sugar, 400b bbls.....100b D	1.25	: 1.35	EPSON SALT, tech. 300b bbls.		
lots	...	: 7.92	Corn Syrup, 42 deg. 50 gal.			NY	...	: 2.15
Hydrochloride, 1 oz. via. 10 oz.			bbls. ....100b D	...	: 4.28	Bbls. c/l NY.....100b D	...	: 2.00
lots	...	: 8.77	43 deg. 50 gal. bbls.....100b D	...	: 4.31	100b bgs, c/l NY.....100b D	1.70	: 1.75
Nitrate, 1 oz. via. 10 oz. lots.oz	...	: 8.77	44 deg. 50 gal. bbls.....100b D	...	: 4.38	Imp., 220b bgs. c/l		
Phosphate, 1 oz. via. 10 oz.			45 deg. 50 gal. bbls.....100b D	...	: 4.45	NY	...	: 1.35
lots	...	: 7.42	Corn Sugar, see Glucose			USP, 300b bbls, 10 bbls.....100b D	...	: 2.50
Salicylate, 1 oz. via. 10 oz.			Cotton Soluble, 100b bbls. wet. D	.40	: .42	Carlots, bbls. ....100b D	2.10	: 2.15
lots	...	: 7.42	Coumarin, 25b tins.....D	3.25	: 3.45	Imported, 400b bbls.....100b D	1.75	: 2.00
Sulfate, 1 oz. via. 10 oz. lots.oz	...	: 7.92	Second Hands.....D	3.25	: 3.30	100b kgs .....100b D	2.00	: 2.25
Small Bins, 1/2 oz. vials, 50c extra,			CREAM TARTAR, USP, 300b			Ergotin, Boujean, 1b jars.....D	6.00	: 6.35
1/4 oz. 30c extra, singles 7c extra			bbls. ....D	.21 1/4	: .21 1/2	Eserine alk., 1 oz. vial.....oz	...	: 24.07
per oz.—25 oz. lots, 10c cheaper			Imp. powd. USP, 224 bbls..D	.20 1/4	: .21	Salicylate, USP 1 oz. vial.....oz	...	: 16.07
than above. Less than 10 oz. 15c oz.			Cresote, USP, 42b chys.....D	...	: .45	Sulfate, USP VIII, 1 oz. vial. oz	...	: 11.07
higher than above.			Carbonate, 1b bot. 25b D	1.70	: 1.80	ETHER, USP, 55b drums.....D	...	: .16
CODLIVER OIL, Norwegian, 30 gal.			Cresote oil, 50 gal. drs.....gal	.26	: .30	Anaesthesia, 55b drums.....D	...	: .19
bbls. ....bbl	28.50	: 30.00	Cresol, USP, 400b drums.....D	.22	: .23	USP, 1880 55b drums.....D	...	: .42
Newfoundland, 30 gal. bbls. bbl	...		Cyanide, bulk c/l wia. Amm. unit	1.90	: 2.00	Washed, 55b drums.....D	...	: .33
Colchicine alk USP 1 oz. vial. oz	...	: 15.07	DIAMINOPHENOL, 100b kgs..D	...	: 3.80	Motor, 1b cans.....D	.25	: .31
Salicylate, 1 oz. vial.....oz	...	: 15.07	Dianiline, 100b kgs.....D	4.00	: 4.50	Ether, Nitrous, 1b bot.....D	.92	: .95
Collodion, USP, 30b drums.....D	...	: .24	Dichlorobenzene, 1000b drs.....D	.06	: .07	Ethyl Benzyl Aniline, 300b drs. D	1.15	: 1.25
			Diethylaniline, 550b drs.....D	.58	: .61			
			Diethyl Phthalate, 25b cans.....D	.40	: .45			
			1000 drs.....D	.35	: .40			



Baker & Adamson Reagent Chemicals

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Chemicals

Ethyl Acetate, 99% 50 gal. drgal	1.15	: 1.18	Gelatin, USP silver lbi. 100 lb. cs. D	.65	: .68	Hydrastine Hydrochloride, USP 15 gr.	...	: 1.00
85% Ester, 100 gal. dr. gal	...	: .95	Gold Label, 100 lb. cases.....D	...	: .55	vials.....vial	...	: .36
Carbide, drums.....gal	...	: .92	Technical, 100 lb. cs.....D	.50	: .55	Hydrobenzene 100 lb. kegs.....D	...	: .05
Tanks Cars.....gal	...	: .90	GLAUBER'S SALT, tech. 200 lb. bags,	1.15	: 1.25	HYDROGEN PEROXIDE, 25 vol. 400 lb	...	: .10
Refined, drums.....gal	1.77	: 1.90	lc/l wks.....100 lb	...	: 1.25	bbis.....D	...	: .38
Bromide 115 drs.....D	...	: .50	350 lb. bbis. c/l wks.....100 lb	...	: 1.85	100 vol. 145 lb. chys.....D	...	: .48
Ironide 115 drs.....D	...	: .40	Bbis. lc/l wks.....100 lb	1.30	: 1.85	USP Soln. 375 lb. bbis.....D	...	: 8.00
Chloride, 200 lb. drs., 15 lb. cyl. D	.26	: .35	Imported, bbis., spot.....D	.80	: .85	100 vol. 145 lb. chys.....D	...	: 11.75
Methyl Ketone, 50 gal. drums. D	.25	: .25%	USP, 300 lb. bbis. imp. sp. 100 lb	...	: 1.25	USP bot. 4 oz. cases.....D	...	: 19.75
Morphine, see Morphine, Ethyl	...	: .70	USP, 300 lb. bbis. dom. sp. 100 lb	...	: 1.75	Bot. 16 oz. cases.....D	...	: 1.40
Ethylene Bromide, 600 lb. drs.....D	...	: .65	Calcined, see Sodium Sulfate	...	: 1.40	Hydroquinone, 100 lb. kegs.....D	...	: .97
Glycol.....D	.75	: 1.00	Glucose, (Grape Sugar) dry, 100	4.29	: 4.54	Hyocine Hydrobrom. USP 1 oz.	...	: 9.00
Chlorhydrin, anhyd. 50 gal. drs. D	.75	: .85	70° bags, c/l NY.....100 lb	4.26	: 4.45	Five oz., 1 oz. vials.....D	...	: 30.07
40% Solution, 50 gal. bbis. D	.25	: .30	Syrup, Drs. & bbis. c/l NY 100 lb	4.26	: 4.55	Alkaloid, Amorphous, 1 oz. vial. os	...	: 75.07
Dichloride, 50 gal. drs.....D	.20	: .25	lc/l NY.....100 lb	.22	: .26	Hydrobromide, USP 1 oz. vial. os	...	: 30.07
Ethylidenesulfone.....D	...	: .70	GLUE, pure white, bbis.....D	.22	: .26	Sulfate, 1 oz. vial.....D	...	: 6.00
Eucalyptol, 25 lb. cans.....D	...	: .80	Medium white, bbis.....D	.20	: .24	INDOL, C. P., 1 oz. bot.....D	...	: 8.97
Feldspar, bulk.....ton	20.00	: 25.00	French, bbis.....D	.18	: .25	Iodide, see Potash Iodide, etc.	...	: 4.75
FERRIC CHLORIDE, tech. crys.	...	: .07	High grade, bbis.....D	.35	: .40	IODINE, crude, 200 lb. kegs.....D	...	: 4.30
475 lb. bbis.....D	...	: .06%	Bone, regular, bbis.....D	.10	: .12	Tincture, USP, 50 gal. bbis.....gal	...	: 4.45
Imported.....D	...	: .06%	Fish, bbis.....gal	1.50	: 1.75	Carboys.....D	...	: 5.50
USP, crys. 100 lb. kegs.....D	...	: .08	GLYCERIN, C.P., 550 lb. drums.....D	.19	: .10%	Iodoform, powd. 10 lb. bot.....D	...	: 6.50
Imported.....D	...	: .07%	Cans, 50 lb.....D	.20	: .22	Crystals, 10 lb. bot.....D	...	: 260.00
Neut. Sol'n 40° 140 lb. chys.....D	...	: .08	Dynamite, 100 lb. drs.....D	.17%	: .17%	Iron, metal by hydrogen 1 lb. bot. D	...	: 1.00
48°, 140 chys.....D	...	: .08	Saponification, tanks.....D	.12%	: .13	IRON & AMM. CITRATE, USP 50 lb	...	: .69
USP Sol'n 125 lb. chys.....D	...	: .05%	Soap, Lye tanks.....D	.12	: .12%	cans.....D	...	: .69
Ferrous Chloride, crys. tech.	...	: .06%	Gua Powder, see chrysarobin	15.00	: 35.00	Green scales, 50 lbs.....D	...	: 6.50
475 lb. bbis.....D	.08	: .06%	Graphite, crude 220 lb. bags.....ton	.05	: .09	Caecodylate, 10 lb. bot.....D	...	: 9.9
Ferrous Sulfide, 1000 lb. bbis. 100 lb	2.50	: 3.00	Flake, 500 lb. bbis.....D	.04	: .05	Citrate, USP VIII 25 lb. cans.....D	...	: 1.60
Flake White, see lead, white	...	: 25.00	Ground, lump, bbis.....D	2.35	: 2.45	Chloride, see ferric or ferrous	...	: .30
Fluorapar, 95% 220 lb. bgs. ex-	...	: 35.50	Guaiacol liquid, USP, 25 lb. cans. D	...	: 4.75	Hypophosphite, 5 lb. cans.....D	...	: 4.28
dock.....ton	...	: 35.00	Benzoate, 1 lb. bot.....D	4.60	: 4.75	Syrup, USP VIII.....D	...	: .35
FORMALDEHYDE, USP 400 lb. bbis.	...	: .09%	Carbonate, 5 lb. boxes.....D	3.35	: 3.40	Iodide, 1 lb. bot.....D	...	: .09
c/l wks.....D	...	: .10%	Second Hand.....D	2.75	: 3.00	Syrup, USP, 5 lb. bot.....D	...	: .16
Carboys, 100 lb. lc/l wks.....D	...	: .10%	HAARLEM OIL, Dom. 6 gr. cs. gross	4.00	: 4.25	Nitrate, kegs.....D	...	: 3.25
Bbis., 400 lb. lc/l wks.....D	...	: .10%	Imported, 5 gr. cases.....gross	2.75	: 3.25	Com'l, bbis.....100 lb	...	: .85
Second Hand.....D	...	: .10	Halazone, 5 lb. bot.....D	2.75	: 3.25	Oxide red, Spanish.....D	...	: .03%
Penall Flour.....D	...	: .04	Hexamethylenetetramine, USP	.75	: .77%	& Ammon. Oxalate 25 lb. bxs. D	...	: .45
Formalin.....D	...	: .50	100 lb. drums.....D	.65	: .67	& Potassium Oxalate, 25 lb. bxs. D	...	: .47
Fuller's Earth, 300 lb. bgs. c/l	...	: 15.00	Imported.....D	.82%	: .85	& Sodium Oxalate, 25 lb. bxs. D	...	: .43
mines.....ton	15.00	: 17.00	Rubber Makers, Impalp. Pd.	...	: 14.57	Phosphate, USP 50 lb.....D	...	: .69
Imported, 230 lb. bags NY.....ton	35.00	: 40.00	drs.....D	...	: 14.57	Pyrophosphate, USP, 50 lb.....D	...	: .74
Furfural, 300 lb. bbis.....D	.25	: .30	Homatropine Hydrobrom. USP 1 oz.	...	: 13.50			
Fusel Oil, 10% Impurities, drs. gal	3.25	: 3.40	Five oz., 1 oz. vials.....D	...	: 14.00			
SALT, pure 350 lb. bbis. basis	...	: .65	Hydrastine ALK, USP, 1 oz. vial. os	...	: 14.57			
100%.....D	.60	: .65	Hydrochloride, USP, 1 oz. vial.....D	...	: 14.57			
			Sulfate, 1 oz. vial.....D	...	: 16.07			

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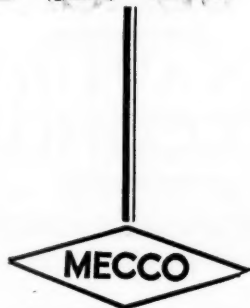
E. I. du Pont de Nemours & Co., Inc.
3500 Gray's Ferry Road, Philadelphia, Pa.
256 Vanderpool St., Newark, N. J.

Chemicals

JALAP RESIN, lump 5 lb tins... D	3.25	3.35	Linalool, 5 lb bot... D	6.25	6.75	Manganese—(continued)		
Powd. tins... D	3.40	3.50	Litharge, see lead oxide			Glycerophosphate, 5 lb tins... D	...	2.95
Kapoc, 200 lb double bales... D	.25	.28	Lithium Carb. USP, 100 lb kgs... D	1.50	1.60	Hypophos. USP VIII 5 lb cans... D	...	1.40
KIESELGUHR, 95 lb bags NY... ton	60.00	70.00	Bromide, 100 lb ca... D	1.80	1.90	Iodide, 1 lb bot... D	...	6.85
LANOLIN, see Adeps Lanas			Citrate, USP, 100 lb kgs... D	1.70	1.75	Ore, bulk, NY... D	.40	.45
LEAD, metal c/NY... 100 lb	8.65	9.00	Iodide, 5 lb bot... D	...	7.50	Sulfate, 600 lb casks NY... D	...	.08
Acetate, white crystals 500 lb			Lithopone, 400 lb bbls, lc/l wks... D	...	.06%	Marble Flour, bulk... ton	10.00	12.00
bbls. wks... D	...	.15%	Bbls. c/l wks... D	...	.06%	See also Calcium Carbonate		
100 to 250 lb kgs. wks... D	...	.18	Bags, c/l wks... D	...	.06%	MENTHOL, USP, 60 lb cases... D	...	13.25
White, broken, bbls. wks... D	...	14.75	Imported, 400 lb bbls... D	...	.05%	Less cases, 5 lb tins... D	...	13.75
White, gran. bbls., wks... 100 lb	...	15.00	Litmus Cubes... D	...	.06	Domestic, USP, 60 lb cases... D	...	...
White, powd., bbls. wks... 100 lb	...	16.25	Luminal, see Phenylthymalonylurea	...	.90	MERCURY, metal, 75 lb flasks... flask	69.50	70.00
Kegs, wks... D	...	.16%	MAGNESITE, crude... ton	...	15.00	Less Flasks, 5 lb jugs... D	...	1.00
Brown, broken, bbls. wks... D	...	.14%	Calcined, 500 lb bbls... ton	...	55.00	Bichloride, cryst. 25 lb bxs... D	...	1.13
USP, 100 lb kgs... D	...	.15%	Magnesium mtl. sticks 100 lb ca... D	1.25	1.30	Gran. powd., 200 lb kgs... D	...	.98
Arsenate, 100 lb bbls. lc/l wks... D	.21	.26	Carb. tech. 70 lb bags NY... D	.08	.08%	Risulfate, 25 lb boxes... D	...	.96
Bbls. c/l wks... D	.17	.19	75 lb bbls. NY... D	.09%	.10%	Blue Mass, 25 lb boxes... D	...	.66
Paste, 100 & 600 lb bbls... D	.10	.15	USP, 60 lb bbls... D	.12	.14	Powdered, 25 lb boxes... D	...	.68
Iodide, USP VIII 5 lb bot... D	3.20	3.40	USP, blocks 100 lb ca. 1, 2, 4	...	.19	Blue Ointment, USP 25 lb cans	...	.86
Miscra, 500 lb bbls. wks... D	...	.12	osm... D	...	.23	50%... D	...	.86
Oxide, lithge, 500 lb bbls... D	...	.10%	Chloride, fused 575 lb dra. c/l	...	34.00	USP, dilute 25 lb cans 30%... D	...	.66
100 lb kgs. wks... D	...	.15	wks... D	...	36.00	84% Mercury... D	...	.74
Oxide, red 500 lb bbls. wks... D	...	.11	Flaked, 350 lb dra. wks c/l ton	...	26.00	Calomel, 50 lb bxs... D	...	1.23
100 lb kgs. wks... D	...	.15	Imp., fused 900 lb bbls NY ton	...	26.00	Citrine Ointment 25 lb jars... D	...	.51
Peroxide, 100 lb dra... D	.25	.30	Fluodilicate, crystals 400 lb bbls.	...	.12	Iodide, green 25 lb jars... D	...	4.10
White, basic carb. 500 lb bbls.	...	.10	wks... D	...	.15	Red, USP 25 lb jars... D	...	4.20
Bbls. c/l wks... D	...	.10	30% soln. 500 lb bbls. wks... D	.07	.07%	Yellow, USP VIII 25 lb jars... D	...	4.10
100 lb kgs. wks... D	...	.15	Soln. bbls. c/l wks... D	...	.06	Oxide, Yellow, USP, 25 lb bxs... D	...	1.68
White, sulfate 500 lb bbls. wks... D	...	.09%	Glycerophosphate, 5 lb tins... D	...	3.25	Red Precip. USP, 25 lb bxs... D	...	1.28
Bbls. c/l wks... D	...	.09%	Hypophosphite, 5 lb cans... D	...	1.05	Powder, USP 25 lb bxs... D	...	1.48
Licorice Ext. Mass, cases... D	.25	.26	Oxide, USP light 100 lb bbls... D	...	.42	White Precip. USP 25 lb bxs... D	...	1.34
Compound powder, bbls... D	.11	.13	USP, heavy 250 lb bbls... D	...	.50	Powdered, USP, 25 lb bxs... D	...	1.39
Powdered... D	.35	.40	Peroxide, 5 lb cans... D	...	2.40	With chalk, USP 25 lb bxs... D	...	.66
Sticks, 1 ca. 100 lb cases... D	.45	.50	Perborate, 1 lb tins... D	...	2.42	Meta-Nitrandline... D	.70	.80
LIME (Salts, see Calcium Salts)			Salicylate, 100 lb kgs... D	.75	.80	Meta-Nitro-para-Toluidine, 300 lb	2.05	2.10
Live, 325 lb bbls. ton lots, wks... D	...	.01%	Sulfate, see Epsom Salts			bbls... D	...	.95
Single bbl. wks... D	...	.01%	Manganese Chloride, 600 lb can.	...	.09%	Meta-Toluylenediamine, 300 lb	.90	.95
Hydrated, 167 lb bbl. ton lots,	...	.01%	NY... D	...	.10	bbls... D	.85	.88
wks... D	...	.01%	Borate, 30%, 200 lb bbls... D	...	.24			
Single bbl. wks... D	...	.01%	100 lb kgs... D	...	.25			
Oyster Shell, 150 lb bbl single... D	...	.08%	Dioxide, 80-84% 900 lb bbls.	...	80.00			
Sulfur, dry 200 lb dra. NY... D	...	.08%	NY... ton	...	85.00			
Dra. c/l NY... D	...	.08	85-90%, 900 lb bbls. NY ton	...	90.00			
35° Soln. 50 gal. bbls., NY gal	.15	.16	Hydrated, precip. 100 lb kgs... D	.15	.20			

ACETATES

AMYL BUTYL ETHYL



The Miner Edgar Company
Rail and Water Facilities
110 William Street
New York

Chemicals

METHANOL (Wood Alcohol)			Musk Ambrette, 1 lb cans.....lb			15.00	16.00	Ortho-Toluidine, 350 lb bbls....lb			.17	.18
95% tanks.....gal	..	.67	NAPHTHA, See Solvent Naphtha					uzgall, USP, 5 lb bot.....lb			2.00	3.00
Drums, c/l.....gal	..	.70	NAPHTHALENE, Flake, 175 lb bbls					Purified, 5 lb bot.....lb			1.50	2.50
Drums, lc/l.....gal	..	.72	wks				.06	Crude, 5 lb bot.....lb			.80	1.25
97% tanks.....gal	..	.69	Ebln., c/l wks.....lb				.05½	PALLADIUM, metal 10 oz. lots.....oz			75.00	76.00
Drums, c/l.....gal	..	.72	Bbln., second hands NY.....lb				.05½	Pancreatin, USP 5 lb bot.....lb			1.25	1.40
Drums, lc/l.....gal	..	.74	Balls, 250 lb bbls. wks.....lb				.07	Papain, 10 lb bot. USP, Powd....lb			2.15	2.35
Pure, Acetone free, this.....gal	..	.75	Bbln., c/l wks.....lb				.06½	Crude, 150 lb cases.....lb			1.80	1.85
Drums, c/l.....gal	..	.77	Bbln., second hands NY.....lb				.07	Paraffin, ref'd 200 lb cs. slabs				
Drums, lc/l.....gal	..	.80	Crushed, chipped, bgs., wks.....lb				.05	123-127 Deg. M. P.....lb			.05½	.06
Bbln. incl. 5c higher	..		Crude, imp., bags.....lb				.02	128-132 Deg. M. P.....lb			.05½	.06½
Methyl Acetone, 100 gal. drums gal	.75	.80	Nickel Metal, electrolytic 100 lb					133-137 Deg. M. P.....lb			.06½	.07
Tanks, cans.....gal	.70	.75	kegs			.29	.32	138-140 Deg. M. P.....lb			.07½	.07½
Chloride, 90 lb cyl.....lb	..	.56	Ingot, 100 lb kegs.....lb			.29	.32	Para-Aminoacetanilid, 100 lb				
Sulphate, USP, 50 lb cases.....lb	..	.47	Salt, single 400 lb bbls, NY.....lb			.11	.12	kegs			1.10	1.15
500 lb drums.....lb	..	.45	Double, 400 lb bbls, NY.....lb			.10	.11	Para-Aminophenol, 100 lb kegs.....lb			1.16	1.25
Second Hands, cases.....lb	..	.44	Oxide, 100 lb kegs NY.....lb			.40	.42	Hydrochloride, 100 lb keg.....lb			1.35	1.40
Methylene Blue, tech. 100 lb kgs lb	1.25	1.50	Sulfate, 450 lb bbls.....lb				.07	Para-Dichlorobenzene, 150 lb bbls				
USP, medicinal 5 lb cans.....lb	2.00	2.30	Nicotine, Free 40%, 5 lb tins.....lb			1.35	1.90	wks			.17	.30
Mishler's Ketone, 225 lb bbls.....lb	..	3.75	Sulfate, 10 lb tins, 40%.....lb			1.05	1.35	25-50 lb kegs.....lb			.18	.32
Milk, powd. 150 lb bbls.....lb	..	.14	Nitre Cake, bulk wks.....ton			5.50	6.00	Paraldehyde, 100 gal. drs.....lb			..	.48
Milk Sugar, see sugar of milk			500 lb bbls.....ton			12.00	14.00	Paraformaldehyde, USP 100 lb cs. lb			.42½	.45
Mineral Oil, see oil mineral			Nitrobenzene, crude, 1000 lb drs.					Para-Nitroacetanilid, 300 lb				
Mineral Rubber.....ton	35.00	75.00	wks			.09	.09½	bbls			.50	.55
Monocacetine, 100 gal. drums.....lb	..	.50	Redistilled, 1000 lb drs. wks lb			.09½	.10½	PARA-NITROANILINE, 300 lb bbls				
Monochlorobenzene, see chlorobenzene			Nitronaphthalene, 550 lb bbls.....lb			.20	.21	wks. ton			.66	.67
Monochlorobenzene, 900 lb drs.....lb	.90	1.00	Nitrotoluene, mixed 1000 lb drs.					Para-Nitrochlorobenzene, 1200 lb drs.				
Monomethyl paraminophenol sulfate			wks			.14	.15	wks			.30	.30
100 lb drs.....lb	3.95	4.20	Ochre.....lb				.03½	Para-Nitro-ortho-Toluidine, 300 lb				
MORPHINE Sulfate, USP 5 oz. tins			Oil Fuel, see Fuel Oil					bbls			2.75	2.85
10 oz.....oz	..	7.35	OIL MINERAL, wh. 50 gal. bbls gal			1.00	1.25	Para-Nitrophenol, 185 lb bbls.....lb			.55	.60
Acetate, 5 oz. tins 10 oz. lots	..	7.35	Oil Mirbane, see nitrobenzene					Para-Nitrodimethylaniline, 120 lb				
Hydrobromide, 5 oz. tins 10 oz.	..	7.35	Opium, see crude drugs					bbls			..	.95
Hydride, 5 oz. tins 10 oz.	..	7.35	Orange Mineral, 800 lb casks NY. lb			..	.14	Para-Nitrotoluene, 350 lb bbls.....lb			.42	.45
lots	..	7.35	500 lb bbls. NY.....lb			..	.14	Para-oxyl Benzaldehyde, 100 lb				
Ethyl Hydride, ¼ oz. via. 10	..	11.45	Ortho-Aminophenol, 50 lb kegs.....lb			2.40	2.50	kegs			..	1.70
oz.	..	11.45	Ortho-Anisidine, 100 lb drs.....lb			..	3.00	Para-Phenetidin, 500 lb drs.....lb			1.55	1.80
Small Sizes: ¼ oz. vials, 50c extra;			Ortho-Dichlorobenzene, 1000 lb drs.					Para-Phenylenediamine, 350 lb				
¼s 25c extra; single oz. via. 7c ex.			wks			.05½	.06	bbls			1.25	1.30
tra, over price for 5 oz. tins. 25 oz.			Ortho-Nitrochlorobenzene, 1200 lb					Para-Toluene-Sulfonamide, 175 lb				
lots in 5 oz. tins, 10c oz. lower than			dr. wks.....lb			.35	.40	bbls			.40	.41
above schedule. Less than 10 oz. lots			Ortho-Nitrophenol, 350 lb.....lb			..	1.00	Para-Toluene-Sulfonchloride, 410 lb				
15c oz. higher than above schedule.			Ortho-Nitrotoluene, 1000 lb drs.					bbls. wks			.18	.30
			wks			.09	.10	Para-Toluidine, 350 lb bbls. wks lb			.75	.80

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Kegs, 100 lbs.....	.32	: .33
Kits, 56, 28, 14 lbs.....	.34	: .35
Packages, 5 and 2 lbs.....	.36	: .37
Packages, 1 lb, 1/2, 1/4 lb.....	.39	: .43

Paris White, see whitening, French

Pepsin, USP, 5 lb bot.....	2.25	: 2.50
PETROLATUM, green 300 lb bbls..	.02 1/2	: .03
Dark Amber, 300 lb bbls.....	.03 1/2	: .04
Light Amber, 300 lb bbls.....	.04 1/2	: .05
Cream White, USP 300 lb bbls..	.07	: .07 1/2
Lily White, USP, 300 lb bbls..	.09	: .09 1/2
Snow White, USP, 300 lb bbls..	.12 1/2	: .13

Phenol, see also acid carbolie

Makers, 950 lb drums, spot.....	.24	: .25
Small drums, 240-100 lb.....	.25	: .27
Open market, drs.....	...	: .25
240 lb des. drs. wks.....	...	: .25

Natural, 240 lb des. drs. wks..	...	: ...
Phenolphthalein, USP, 100 lb drs.	1.20	: 1.40
5 lb cans, 100 lb lots.....	1.40	: 1.50

Phenyl-Alpha-Naphthylamine 100 lb	...	: ...
kegs.....	...	: ...
Phenylethylalcohol, 1 lb bot. Dom	8.00	: 10.00
Imported.....	7.00	: 7.75

Phenylethylmalonylurea, oz. pks..	...	: 5.50
Phosgene, 100 lb cylinders.....	...	: ...
Phosphorus Oxide, 175 lb cyl. lb	.35	: .40

Phosphorus, red 110 lb cs. wks..	...	: ...
Imported, 112 lb cases.....	.90	: 1.00
Yellow, 110 lb cs. wks.....	.35	: .37 1/2
Imported, 112 lb cases.....	...	: ...

Phosphorus Trichloride, 175 lb cyl.	...	: .45
wks.....	...	: .28
Phthalic Anhydride, 100 lb bbls..	.23	: .28

Pilocarpine Hydrochloride, USP 25 oz.	...	: 3.00
lots, 1 oz. vials.....	3.00	: 3.32
Nitrate, 25 oz.....	...	: 3.00
Single oz.....	...	: 3.32
Alkaloid, 15 gr. vials.....	...	: .85

Piperazine Hydrate, 1 lb bot.....

Piperidine, 25 oz.....	1.10	: 1.25
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Pitch, Coal-Tar, wks.....

ton.....	24.00	: 26.00
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Plaster Paris, tech 250 lb bbls..

True Dental, 300 bbls.....	...	: 4.50
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Platinum, metal soft 10 oz. lots..

oz.....	117.00	
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Podophyllin, 5 lb bot.....

lb.....	5.20	: 5.40
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Second Hands.....

lb.....	4.75	: 4.90
---------	------	--------

POTASH, CAUSTIC, solid 88-92%

700 lb drs. wks.....	.07 1/2	: .07 1/2
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Imp., 88-92% 700 lb drs. NY..

lb.....	.07 1/2	: .07 1/2
---------	---------	-----------

USP, by alcohol 5 lb cans.....

cases.....	.46	: .48
...	.30	: .35

POTASSIUM Acetate, USP, 100 lb

kegs.....	.29	: .30
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Bicarbonate, crys. 320 lb bbls..

lb.....	.10	: .10 1/2
---------	-----	-----------

Bichromate, crys., 900 lb casks..

lb.....	.08 1/2	: .08 1/2
---------	---------	-----------

Powd., 900 lb casks wks.....

lb.....	...	: .12
---------	-----	-------

Binzoalate, 300 lb bbls.....

lb.....	.25	: .28
---------	-----	-------

Import, 112 lb bbls.....

lb.....	.18	: .20
---------	-----	-------

Bisulfate, C.P., 5 lb cans.....

lb.....	...	: .30
---------	-----	-------

100 lb kegs.....

lb.....	...	: .22
---------	-----	-------

Bromate, 100 lb cs.....

lb.....	...	: .75
---------	-----	-------

BROMIDE, USP, crys., 450 lb

bbls.....	.48	: .49
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Granular, 300 lb bbls.....

lb.....	.48	: .49
---------	-----	-------

Cases, 100 lb.....

lb.....	...	: .50
---------	-----	-------

Imported, USP, 220 lb cs.....

lb.....	.42	: .44
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CARBONATE, 80-85% calc.

800 lb cks.....	.05 1/2	: .05 1/2
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80-85%, hydrated, 800 lb

cks.....	.05 1/2	: .05 1/2
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90-95% calc. casks.....

lb.....	.08	: .08 1/2
---------	-----	-----------

96-98% calc. casks.....

lb.....	.08	: .08 1/2
---------	-----	-----------

99% calc. casks.....

lb.....	.07	: .07 1/2
---------	-----	-----------

USP, 100 lb kegs.....

lb.....	.12 1/2	: .13
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99% CP casks.....

lb.....	...	: .12 1/2
---------	-----	-----------

POTASSIUM—(Continued)

Chlorate, crys. 112 lb kgs. c/l

wks.....	.08	: .08 1/2
----------	-----	-----------

Imp. 112 lb kegs, NY.....

lb.....	.06 1/2	: .07
---------	---------	-------

Powd., 112 lb kegs wks.....

lb.....	.08 1/2	: .09
---------	---------	-------

Imp., kegs NY.....

lb.....	.06 1/2	: .06 1/2
---------	---------	-----------

Gran. Imp. 112 lb kegs NY..

lb.....	.10 1/2	: .11
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Pyrotechnic, fine powd. NY..

lb.....	...	: .07
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USP, fine crys. 110 lb kegs

NY.....	.07	: .07 1/2
---------	-----	-----------

Citrate, USP 50 lb.....

lb.....	...	: .60
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Cyanide, 110 lb cases.....

lb.....	.60	: .65
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Glycerophosphate, 75% Soln. 25 lb

tins.....	1.35	: 1.50
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Gualacol Sulfonate, 5 lb cans,

10 lb.....	2.00	: 2.25
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Hypophosphite, 10 lb cans.....

lb.....	.80	: .85
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Iodide, USP, 100 lb cases.....

lb.....	3.75	: 3.80
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Second Hands, cases.....

lb.....	3.60	: 3.70
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Lactophosphate, 4 oz bot.....

cs.....	...	: .90
---------	-----	-------

Metabisulfite, 300 lb bbls.....

lb.....	.18	: .20
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Imp., 550 lb bbls.....

lb.....	.10	: .12
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Muriate, 80%, 200 lb bags, NY

K ₂ O unit.....	...	: .63
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Nitrate, see Saltpetre

Oxalate, neutral, 100 lb kegs..

lb.....	.35	: .40
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Perchlorate, 112 lb kegs.....

lb.....	.09 1/2	: .10
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PERMANGAN. USP, crys. 500 lb

& 100 lb drs. wks.....	.15	: .16
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Imp. 113 lb drs.....

lb.....	.15 1/2	: .16
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Prussiate, red, 500 lb casks..

lb.....	.37	: .39
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Prussiate, yellow, 500 lb casks.

lb.....	.17	: .17 1/2
---------	-----	-----------

Salicylate, 25 lb cans.....

lb.....	.60	: .65
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Sulfate, 200 lb bags, NY K₂O unit

...	...	: .85
-----	-----	-------

USP, VIII, 100 lb kegs.....

lb.....	.15	: .18
---------	-----	-------

Sulfocyanide, CP 25 lb jars..

lb.....	...	: .50
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Tartrate, neutral, 100 lb kegs..

lb.....	...	: .51
---------	-----	-------

Titanium Oxalate 200 lb bbls..

lb.....	.25	: .30
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Chemicals

Pumice Stone, lump, 250 lb bbls. lb	.04%	.06	QUININE—(continued)			Santonin, USP, 1 lb bot.	150.00	:153.00
Lump, bags	.03%	.05	Tartrate	.88		Powd. 1 lb bot.	153.00	:157.00
Powdered, 350 lb bbls.	.02%	.03	Valerate	.89		Saponin, ex Quillaia, 5 lb tins.	.90	:1.10
Erythrine, 50 gal. drums.	3.85	:4.00	Small Sizes: 1 oz vials or cans,			Satin White, 500 lb bbls.	.60	:.01%
QUICKSILVER, see Mercury			50oz lots, 5c oz extra; 5oz cans,			Schaeffer's Salt, 250 lb bbls. wks.	.60	:.65
Quinidine Alk., 100oz tins.	.75		50oz lots 3c oz extra; 25oz cans,			Secopolamine, see hyoscine		
Sulfate, 100 oz. tins.	.50		50oz lots, 2c oz extra; single 1oz			Sedilia Mixture, 225 lb bbls.	.16%	:.16%
Quinidine, see Chinoidin			vials or cans, 5c extra. All minor			SILICA		
QUININE SULFATE, USP,			quinine salts sold and quoted basis			Crude, bulk, values	10.00	:12.00
American, 100 oz. tins.	.50		100oz lots in 100oz cans. Sulfate			Refined, coated, bags	18.00	:30.00
10s tins, 100oz lots.	.57		and bisulfate sold basis 100oz			Air coated, bags	32.00	:50.00
Dutch, 100oz tins.	.50		lots in 100oz cans. Smaller orders			Extra, coated, bags	55.00	:65.00
Java, 100oz tins.	.50		or containers extra as above			SILVER, metal, American	.99%	
Japanese, 100oz tins.	.50		schedule.			Foreign	.69%	
QUININE SULFATE, USP,			R SALT, 250 lb bbls. wks.	.49	:.50	Colloidal, 16oz bot.	.280	
Acetate	.88		Red Lead, see lead oxide			Silver Iodide, 16oz bot.	.69	
Arsenate	.88		Red Precipitate, see mercury			Nitrate, 16 oz. bot.	.34	:.38
Benzoate	.88		Resorcinol, see resorcinol.			Nucleinate, 16oz bot.	.34	:.38
Bisulfate, USP	.50		Resorcinol tech, 100 lb kegs.	1.35	:1.50	Proteinates, 16oz bot.	.34	:.38
Citrate	.62		USP, 25 lb cans	2.25	:2.35	Soap, Castile, 40 lb bbs.	.20	:.25
Dihydride, USP	.66		Rochelle Salt, USP, 225 lb bbls.	.20	:.21	Fowd. USP, 250 lb bbls.	.28	:.29
Dibromide	.66		Imp. USP, 300 lb bbls.	.20		Green, USP, 150 lb kegs.	.07	:.07%
Dicarbonate, 10oz tins.	2.50		Rosewater, triple, 5 gal. demis.	.90	:1.10	Soapstone, see Talc, crude		
Ethyl Carbonate, 16oz. tins.	.91		Rotten Stone, lump imp., bbls.	.07	:.08	SODA ASH, 58% light		
Ferrocyanide	.88		Lump selected, bbls.	.09	:.12	1-4 bags, deliv'd NY...	100 lb	:2.19
Formate	.85		Powdered, bbls.	.62	:.68	5 & Up bags, deliv'd NY...	100 lb	:2.04
Glycerophosphate	.88		Domestic, bags, mince	24.00	:30.00	1-4 bbls., deliv'd NY...	100 lb	:2.44
Iodide	.88		SACCHARIN, USP, 1 lb cans, 25 lb			5 & Up bbls., deliv'd NY...	100 lb	:2.29
Hydrobromide, USP	.62		Soluble, USP, 1 lb cans, 25 lb.	1.90	:2.10	Contract, Basis 58% bags c/l		
Hydrochloride, USP	.62		Sal Ammoniac, see Ammon. Chloride	1.90	:2.10	wks.	100 lb	:1.38
Hydrochlorosulfate	.66		Salicin, USP, 1 lb cartons, 25 lb.	4.75	:5.00	Prompt and spot, Basis 58% bags		
Hydride & Urea, USP.	.88		Salol, USP, 100 lb cartons.	.75	:.80	c/l wks.	100 lb	:1.48
Hypophosphite	.83		Salt, Common, see sodium chloride			Contract, Basis 58% dense bags		
Lactate	.78		Salt Cake, c/l f.o.b. wks.	12.00	:22.00	c/l wks.	100 lb	:1.45
Phenolsulfonate	.88		SALT PETRE, Double Refined			Pmpt. and spot, Basis 58% bags		
Phosphate	.74		Granular, 400-500 lb bbls.			c/l wks.	100 lb	:1.55
Salicylate, USP	.63		c/l wks.	.08		SODA, CAUSTIC, 76% solid		
Tannate, USP	.45		Less c/l wks, bbls.	.06%		1-4 drums deliv'd NY...	100 lb	:3.91
			Large Crystals, 350-400 lb bbls.,			5 & Up drums deliv'd NY...	100 lb	:3.76
			c/l wks.	.07%		Ground & Flake, 76%		
			Small Crystals, 350-400 lb bbls.,			1-4 drums, deliv'd NY...	100 lb	:4.31
			c/l wks.	.07		5 & Up drums deliv'd NY...	100 lb	:4.16
			Powdered, bbls, c/l wks.	.07		1-4 bbls. deliv'd	100 lb	:4.56
			Imported, 500 lb bbls. NY.	.06%		5 & Up bbls., deliv'd	100 lb	:4.41
						Contract basis 76% c/l wks.	100 lb	:3.10

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Chemicals

SODA CAUSTIC—(Continued)

Pmpt. and spot, Basis 76% c/l wks.100lb	...	3.30
Contract 74% low grade c/l wks. flat100lb	...	3.02
Ground & flake, 76% pmpt. and spot, wks. c/l drs. ....100lb	...	3.60
Contract 76% drums c/l wks. flat ....100lb	...	3.50
USP, stick, 10lb cans. ....lb	.19	.21
Pure, stick, by alcohol. ....lb	.25	.27
SODIUM ACETATE, crys. 450lb bbls. wks. ....100lb	.04%	.05%
Aluminate, 500lb bbls. wks. ....lb	.07%	.08
Aluminum Sulfate, see alum. soda		
Arseate, 4lb mat. wks. drums. gal	.50	.60
Drums, 8lb material, wks. ....lb	1.00	1.20
Benzonate, USP, 100lb bbls. ....lb	.62	.65
Bicarbonate, 400lb bbls. NY. ....100lb	...	2.25
Bbls. c/l wks. ....100lb	...	2.00
112lb kegs wks. ....100lb	...	2.25
112lb kegs. NY. ....100lb	...	2.50
Bichromate, 600lb cases wks. ....lb	...	.06%
Cases, c/l wks. ....lb	.08%	.06%
Cases, NY. ....lb	.06%	.07
Bisulfite dry powder, 500lb bbls. wks. ....100lb	.04	.04%
Solution, 32-40°, 500lb bbls. wks. ....100lb	1.25	1.75
Bromate, 100lb ca. ....lb	...	1.05
BROMIDE, USP, 450lb bbls. ....lb	.48	.49
Cases, 50lb ....lb	.48	.49
Imp. USP, 112 ca. ....lb	.44	.46
Cacodylate, USP, 5lb. bot. 25lb. ....lb	5.50	5.90
Carbonate, sal soda, 350lb bbls. c/l NY. ....100lb	1.30	1.35
Works c/l ....100lb	1.10	1.30
Monohydrate, 400lb bbl. c/l NY. ....100lb	...	2.40
Pure photographic, 100lb keg ....lb	.08	.08
Chlorate, 112lb kegs. wks. ....lb	...	.06%
Imported, 112lb kegs. ....lb	.06%	.06%

SODIUM—(Continued)

Chloride, tech. 200lb bags. ....ton	12.00	13.00
C. P., 300lb bbls. ....lb	.05	.06
Chromate, 800lb bbls. ....lb	...	.08
Citrate, USP, IX, 50lb kegs. ....lb	...	.59
USP, VIII, 50lb kegs. ....lb	...	.52
Cyanide, 96-98%, 100lb cases wks. ....lb	...	.22
Ton lots, wks. ....lb	...	.22
73-76%, 100lb cases, wks. ....lb	...	.19%
125-128%, 200lb ca. ....lb	.20	.20%
120-125%, 200lb ca. ....lb	.17	.18
118-120%, 200lb ca. ....lb	.16	.17
Fluoride, 300lb bbls. wks. ....lb	.08%	.09%
Imp. 350lb bbls. ....lb	...	.08%
Glycerophosphate, USP, cryst. 25lb. cans. ....lb	1.40	1.50
Powder, 35lb time ....lb	1.45	1.60
Solution, USP, 35lb time ....lb	1.05	1.15
Hydroxide, see Soda Caustic		
Hypochlorite, Soln., 100lb clys. ....lb	...	.05
14 1/4% soln., 50lb clys. ....lb	...	.04
Hydrosulfite, 200lb bbls. fob. wks. ....lb	.22	.24
For Stripping, 50lb cans. ....lb	.35	.40
Hypophosphite USP 25lb cans. ....lb	.70	.75
HYPOSULFITE, tech. pea crys. 375lb bbls. wks. ....100lb	2.65	3.05
Bbls. c/l wks. ....100lb	...	2.50
100lb kegs wks. ....100lb	2.75	3.35
Imp. ....100lb	2.50	2.65
Granulated, bbls. wks. ....100lb	2.90	3.30
Bbls. c/l wks. ....100lb	...	2.75
Kegs, wks. ....100lb	3.00	3.60
Regular crystals ....100lb	2.35	2.65
Iodide, USP, 25lb jars. ....lb	4.25	4.30
Metasulfate, 150lb bbls. ....lb	.55	.70
Naphthionate, 300lb bbls. ....lb	.59	.62
Nitrate, crude, 95%, 200lb kegs. c/l NY. ....100lb	...	2.40
Future, NY. ....100lb	2.45	2.47%
Double Refined 400lb bbls. gran. c/l wks. ....lb	...	.04%
Nitrite, 500lb bbls. spot makers. ....lb	...	.09%
Imp. 650lb cases ....lb	.09%	.09%

SODIUM—(Continued)

Ortho-Chloro-Toluene Sulfonate, 175lb bbls. wks. ....lb	.25	.37
Oxalate, neutral, 100lb kegs. ....lb	...	.39
Perborate, 275lb bbls. ....lb	...	.23%
Imp. 225lb drs. ....lb	...	.23
Peroxide, 200lb cases ....lb	.25	.27
Phosphate, di-sodium, tech. 550lb bbls. ....lb	.03%	.03%
USP, gran. 275 bbls. ....lb	.07	.07%
Imp. gran. ....lb	.05%	.06
USP, recryst. 275 bbls. ....lb	.10	.11
Mono-sodium, 100lb kegs. ....lb	.24	.26
Tri-sodium, tech. c/l bbls. ....lb	.03%	.04
Pieramate, 100lb kegs. ....lb	...	.60
Para-Toluene Sulfonate, 175lb bbls. ....lb	.08	.09
PRUSSIAN, yellow, 350lb bbls. ....lb	.09%	.09%
Imp. 450lb cbs. ....lb	.09	.09%
Pyrophosphate, 100lb kegs. ....lb	.24	.26
Salticylate, 100lb kegs. ....lb	...	.40
Second Hands, USP, kegs. ....lb	.37	.40
Silicate, 60° 700lb bbls. f.a.s. NY. ....100lb	...	2.00
Works, 1000lb drums. ....100lb	...	1.90
Works, tanks ....100lb	...	1.75
40° domestic, 700lb c/l f.o.b. wks. ....100lb	...	.80
Works, 1000lb drums. ....100lb	...	.85
Works, tanks ....100lb	...	.75
Spot, drums, bbls. ....100lb	1.04	1.80
Silicofluoride, 450lb bbls. NY. ....lb	.04	.04%
Sulphate, see Glauber's Salt		
Sulfate, Anhydrous, 550lb bbls. c/l wks. ....lb	.03%	.04
Imp. 250lb bbls. ....lb	.02%	.03
Sulfide, 86% solid, 650lb drs. c/l wks. ....lb	.04	.04%
Drs. c/l wks. ....lb	.03	.03%
Imp. 700lb drs. NY. ....lb	...	.03%
60% broken, 650lb drs. wks. ....lb	.04%	.05
Imp., 500lb drs. NY. ....lb	.03%	.04
50% crys. 440lb bbls. wks. ....lb	.02	.02%
Imp. 400lb bbls.lb	.02%	.02%
Sulfite, crys. 400lb bbls. wks.lb	.03%	.03%
Anhydrous, 400lb bbls.lb	.09%	.10



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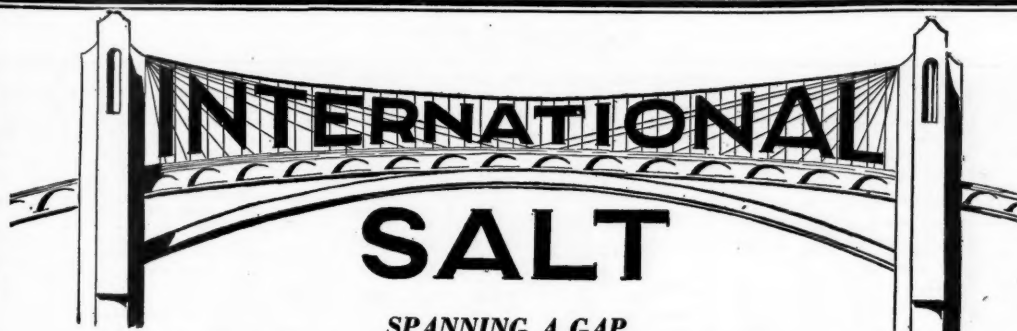
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PRICES CURRENT SECTION

Chemicals

SODIUM—(Continued)			SULFUR, crude bulk, c/1 NY..ton			15.00	19.00	Thiocarbamid, 170 lb bbls.lb			.27	.39
Sulfocarbonate, USP, 100 lb kegs	.35	.37	Crude, f.o.b. minn. ....ton	14.00	15.00			Thymol, USP, 25 lb tins.....lb	5.50	6.00		
kegs	.35	.37	Brimstone, 250 lb bags, c/1 100 lb	1.75	1.95			Iodide, 5 lb boxes.....lb	7.25	7.50		
Sulfocyanide, 400 lb bbls.....lb	.45	.47	Less c/1 bags NY.....100 lb	1.85	2.10			TIN, Metal Stralts, NY.....100 lb		55.13		
Tungstate, crys. 100 lb kegs.....lb	.55	.60	Roll, 500 lb bbls, c/1 NY.....100 lb		2.15			American standard, NY.....100 lb		55.00		
Anhydrous, kegs.....lb	.75		Less c/1 bags NY.....100 lb	2.20	2.45			99% American, NY.....100 lb		54.50		
SOLVENT NAPHTHA, 110 gal.			Flour, Heavy, 250 lb bbls, 100 lb	2.30	3.05			Bichloride, 50% soln. 100 lb				
dra. wks.	.39	.30	Light, 100%, 250 lb bbls, 100 lb	2.60	3.15			bbls, wks. ....lb		.15 1/2		
8000 gal. tank cars wks.gal	.24	.25	Rubbermakers 100% . 240 lb					Crystals, 500 lb bbls, wks.....lb		.38 1/2		
Sparten Sulfate, USP, 250x bulk.oz	.30	.40	bbls, NY.....100 lb	2.50	3.30			100 lb kegs, wks.....lb		.39		
Single oz. vial.....oz		.47	Commercial, 99%, 150 lb bgs.					Oxide, 300 lb bbls, wks.....lb		.58		
Starch, rice, 140 lb bags.....lb	.09	.10	NY.....100 lb	1.35	1.65			100 lb kegs, wks.....lb		.60		
STRONTIUM Bromide, USP, 50 lb			For Disting, 99%, 100 lb	2.00	2.50			Tetrachloride, 1000 lb dra. wks.lb		.31 1/2		
kegs	.51	.52	bgs. NY.....100 lb					Titanium Oxide, bbls, wks.....lb	.13	.14		
Carb. 600 lb bbls, wks.....lb		.07	Flowers, 100%, 240 lb bbls.	3.00	3.55			Tollidine, 350 lb bbls.....lb	1.00	1.10		
100 lb kegs, wks.....lb		.08	NY.....100 lb	.14	.17			Sulfate, 350 lb bbls.....lb		1.10		
Iodide, USP, 25 lb jars.....lb		4.00	Precipitated, 125 lb bbls NY..lb	.07	.10			Toluene, 8000 gal tank cars, wks.gal		.36		
Nitrate, 600 lb bbls, wks.....lb	.10	.10 1/2	Lac, 125 lb bbls NY.....lb					110 gal. dra. wks.....gal		.31		
Imp., bbls, NY.....lb		.09 1/2	Sulfur Chloride, red, 700 lb dra.					Toluidine, Mixed, 900 lb dra. wks.lb		.31		
Salicylate, USP, 100 lb kegs.....lb	.75	.80	wks. ....lb	.06	.07			Triacetin, 50 gal. dra, wks.....lb		.37 1/2		
STREYCHNINE Alkaloid, USP, crys.			150 lb crys. ....lb		.08			Triphenolphenol, 100 lb cases.....lb		1.00		
100 oz. tins.....oz		.51	Yellow, 700 lb dra. wks.....lb		.06			Triphenylguanidine.....lb		.80		
Alk. powd., USP.....oz		.71	150 lb crys. ....lb		.07			Triphenyl Phosphate, 450 lb bbls.lb		.85		
Acetate.....oz		.80	Sulfur Dioxide, 100 lb cpl.....lb	.08	.08 1/2			Tripoli, 500 lb bbls.....100 lb	2.50	3.00		
Glycerophosphate, USP.....oz		.80	Iodide, USP, VIII, 5 lb bot..lb		4.55			Tungsten NY.....WG units	3.25	9.00		
Hydrobromide.....oz		.80	Sulfuric Ether, see Ether					Ultramarine Blue.....lb	.15	.25		
Hydrochloride.....oz		.80	Sulfuryl Chloride, 800 lb dra.....lb	.75	1.00			UREA, pure, 112 lb cases.....lb	.18	.30		
Hydrophosphate.....oz		.80	TALC, Italian 220 lb bags NY..ton	40.00	50.00			VANILLIN, USP, 500 oz. cans.....oz		.49 1/2		
Nitrate, USP.....oz		.80	Refined white, bags.....ton	80.00	80.00			Cans, 80 ozs.....oz		.50		
Phosphate.....oz		.80	French, 220 lb bgs, NY.....ton	30.00	35.00			Cans, 16 ozs.....oz		.51		
Sulfate, USP, crys. powd.....oz		.87 1/2	Refined, white, bags.....ton	35.00	45.00			Second Hands.....oz	.47	.59		
Saccharinate.....oz		1.92	Dom., crude, 100 lb bags NY..ton	13.00	15.00			Venetian Red.....lb		.05		
			Refined, 100 lb bags NY.....ton	16.00	18.00			Verdigris, see Copper Subacetate				
Strychnine preparations quoted beams			Tar, Coal Gas, Yis, wks.....gal	.06	.08			Vermilion, Amer. 100 lb kegs.....lb	.35	.40		
100oz lots in 100oz tins. Small sizes;			Coke Oven Yis, wks.....gal	.07	.08			English, kegs.....lb	1.25	1.30		
1/4oz vials, 50c extra; 1/2oz vials, 25c			Water Gas, Yis, wks.....gal	.06	.08			Veratrine Sulfate, 1oz vial.....oz		1.85		
extra; single ounce vials, 7c extra. Lots			Tartar Emetic, tech. 700 lb bbls.lb	.24	.25			Hydrochloride, 1oz vial.....oz		1.85		
of 25 oms. 5c higher than above			USP, 300 lb bbls.....lb	.31	.34			Veronal, see Acid Diethylbarbituric				
schedule. Lots of less than 25 oms.			Terpin Hydrate, USP, 100 lb kegs lb	.80	.82			WHITE LEAD, see lead, white				
10c higher per oz.			Terpineol, CP 1000 lb drums.....lb	.48	.50			White Precipitate, see mercury				
Sugar Coloring bbls.....gal	.63	.72	Cane, 50 lb.....lb	.53	.57			Whiting, 200 lb bags, c/1 wks.ton	13.00	15.00		
Sugar Milk, USP, 200 lb bbls.....lb		.22	Impured, cans, 25 lb.....lb	.85	1.20			Bags, 1c/1 NY.....ton		18.00		
Second Hands, USP, bbls.....lb	.19	.20	Terpenyl Acetate, 25 lb cans.....lb	1.65	1.85			Children, bags, NY.....ton	13.50	15.00		
Sulfonal, see Sulfonmethane			Terra Alba, No. 1, 300 lb bbls100 lb	1.25	1.90			French, bags, NY.....ton		18.00		
Sulfonethylmethane, USP, 10 lb bbs.lb	3.35	4.05	No. 2, bbls.....100 lb	1.25	1.35			English, bags, NY.....ton		21.00		
Sulfonmethane, USP, 10 lb bbs..lb	2.85	3.35	Theochromine Alk., 5 lb cans.....lb	4.60	4.10			Fluor. Hazel Extract, 50 gal. bbls.gal	1.05	1.10		
			and Sod. Sulfate, 1 lb bot..lb		3.42							

QUININE

Sulphate and Minor Salts

Unexcelled in Uniformity of Quality
Brilliant Crystallization and Purity of Color

Cinchonine, Cinchonidine Quinidine and their Salts

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QUINIC ACID**

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SPECIALLY FRACTIONATED COAL TAR SOLVENTS

for
Vegetable Oil Extraction

The **Barrett** Company

40 Rector Street **B** New York, N. Y.

Coast to Coast Producing Points!

Chemicals

XYLENE, 3° dist range, nitration	.45	..	.50
110 gal. drs. NY.....gal	.50	..	.55
5° dist range, 8000 gal. tanks			
wks. ....gal	.35	..	.40
110 gal. drs. wks. ....gal	.40	..	.45
10° dist. range, drums, wks. ....gal	.35	..	.40
Tanks, wks. ....gal	.25	..	.30
Commercial 110 gal. drs., wks. ....gal	.30	..	.35
Tanks, wks. ....gal	.25	..	.30
lylidine .....	.40	..	.45
YARA YARA, 1 lb tins.....lb	1.75	..	2.00
Yohimbine Hydrochloride, 1 oz. vial.....oz	3.00	..	3.57
ZINC, METAL, high grade, slabs			
c/1 NY	8.25	..	
Common Slabs, c/1 NY.....lb	7.42½	..	7.45
Mossy, 25 lb bxs NY.....lb	..	..	.14
Ammonium Chloride, powd., 400 lb			
bbls. ....lb	.07½	..	.08
Carb. tech. 150 lb kegs NY.....lb	..	..	.20
USP, 100 lb kegs .....	..	..	.33
Chloride, fused, 500 lb drs. ....lb	..	..	.08
Drs. c/1 wks.....lb	.04½	..	.05
Granulated, 500 lb bbls. ....lb	.07	..	.08½
Imported, drs. NY .....	.06¾	..	.06¾
Solution, 50%, tanks wks. ....lb	2.25	..	2.50
USP, 25 lb jars .....	.27	..	.29
Cyanide, 100 lb drs. ....lb	.40	..	.41
Dust, 100 lb tins, wks. ....lb	.09	..	.09½
500 lb bbls., kegs, 1c/1 wks. ....lb	..	..	.08½
500 lb bbls., kegs, 2c/1 wks. ....lb	..	..	.08
Iodide, 5 lb bbls. ....lb	..	..	5.25
Nitrate, 25 lb jars .....	..	..	.45
Oxide, Amer. 300 lb bbls, wks. ....lb	.08½	..	.08½
French, 300 lb bbls wks. ....lb	.10½	..	.12½
Bbl c/1 wks.....lb	.09½	..	.11½
Bags, c/1 wks.....lb	.09½	..	.10½
USP, 100 lb bbls. c/1.....lb	..	..	.17
Ton lots, wks. ....lb	..	..	.12
Imported, white seal, bbls. ....lb	..	..	.12
Green seal, bbls. ....lb	..	..	.12
USP 100 lb bbls. ....lb	.15½	..	.16
Stearate, USP, 50 lb bbls. ....lb	.18½	..	.19
Sulfate, 400 lb bbls., wks. ....lb	.08½	..	.08½
Bbls, c/1 wks.....lb	..	..	.03
USP, 100 lb kegs .....	.08	..	.09
Sulfide, 500 lb. bbls. ....lb	.30	..	.33
Sulfocarbonate, 100 lb kegs.....lb	.32	..	.35

Oils

Castor, No. 1, 400 lb bbls.....lb	.17½	..	.18
80 lb cases .....	..	..	.18½
No. 3, bbls. ....lb	.17	..	.17½
Blown, 400 lb bbls.....lb	..	..	.19
China Wood, bbls., spot NY.....lb	.16	..	.16½
Tanks, Spot, NY.....lb	..	..	..
Nov., Dec. forw. arr. NY bbls. ....lb	.15½	..	.16
Nov. forward, arrival NY tanks. ....lb	..	..	..
Oct., this, Nov., Dec. forw. ....lb	.14	..	.14½
Cocunut Ceylon, 375 lb bbls., NY. ....lb	.11½	..	.11½
8000 gal. tanks, NY.....lb	.10½	..	.10½
Cochin, 375 lb bbls., NY.....lb	.12	..	.12½
Tanks, NY .....	..	..	.11½
Manila tanks, P. Coast.....lb	..	..	.09½
Manila, tanks, NY.....lb	..	..	.10½
Edible, bbls., NY.....lb	.12½	..	.13
Cod Newfoundland, 50 gal. bbls. ....lb	.62	..	.65
Tanks, NY .....	.55	..	.57
Copra, bags .....	.06	..	.06½
Corn, ref., 375 lb bbls., NY.....lb	..	..	.13
Crude, tanks mills .....	..	..	.10
Bbls., NY .....	..	..	.12
Cottonseed, crude, tks., mill.....lb	.09½	..	.09½
P. S. Y., 100 bbls. NY.....lb	.11½	..	.11½
White, 100 bbls. lots, NY.....lb	..	..	..
Winter yellow, 100 bbls., NY. ....lb	.12½	..	.13
Degras, Amer. 50 gal. bbls., NY. ....lb	.04½	..	.04½
English, light, bbls., NY.....lb	..	..	.05½
Brown, bbls., NY .....	.04	..	.04½
Light brown, bbls., NY.....lb	.04½	..	.05
Dark, bbls., NY .....	.03½	..	.04
Neutral, bbls., NY .....	.10	..	Nom.
Moellen, bbls., NY .....	..	..	.50
Greases, choice white, bbls., NY. ....lb	.12½	..	.13
Yellow .....	..	..	.09½
Brown .....	..	..	.08½
House .....	.09½	..	.09½
Bone naphtha .....	..	..	.07
Herring, Tanks, Coast .....	..	..	Nom.
Horse, 375 lb bbls., NY.....lb	..	..	Nom.
Lard, prime steam, bbls. ....lb	.15½	..	.16
Compounds, bbls. ....lb	..	..	.13

LARD OIL, Edible prime, bbls.....lb	..	..	.18½
Off prime, bbls.....lb	..	..	.17½
Extra, bbls. ....lb	..	..	.15½
Extra No. 1, bbls. ....lb	..	..	.13½
No. 1, bbls. ....lb	..	..	.13
No. 2, bbls. ....lb	..	..	.12½
LINSEED, raw c/1 bbls., spot.....gal	..	..	1.06
Five bbls., raw .....	..	..	1.10
Boiled, 5 bbl. lots.....gal	..	..	1.12
Double boiled, 5 bbl. lots.....gal	..	..	1.13
Raw, 1c/1 bbls.....gal	..	..	1.10
Tanks .....	..	..	1.00
Dec., Feb., c/1 wks.....lb	..	..	1.08
Mar., Apr., c/1 wks.....lb	..	..	1.07
Imported, bbls., NY .....	..	..	..
Tanks, NY .....	..	..	..
Menhaden, crude bbls., wks.....lb	..	..	..
Crude, tanks, Balt. ....lb	.57½	..	.60
Light strained, bbls., NY.....lb	.70	..	.72
Yellow, bleached, bbls., NY.....lb	.73	..	.75
Extra bleached, bbls., NY.....lb	.75	..	.77
Blown, bbls., NY .....	..	..	..
Ncatfoot, 20° c.t. bbls., NY.....lb	..	..	.18½
Pure, bbls., NY .....	..	..	.15½
Extra, bbls., NY .....	..	..	.13½
No. 1, bbls., NY.....lb	..	..	.13
Olao Oil, No. 1, bbls., NY.....lb	.19	..	.20
No. 2, bbls., NY.....lb	..	..	.17
No. 3, bbls., NY.....lb	..	..	.16
LIVE, denatured bbls., NY.....lb	1.30	..	1.35
Edible, bbls., NY.....gal	2.15	..	2.25
Feats, bbls., NY.....gal	.09½	..	.09½
Shipments .....	.09½	..	.09½
Palm Lagos, 1500 lb casks.....lb	.09½	..	.10
Niger casks .....	.08½	..	.09
Bonny old Calabar, casks.....lb	..	..	Nom.
Palm Kernel, bbls., NY.....lb	.10½	..	.10½
Peanut, refined, bbls., NY.....lb	.17	..	.17½
Crude, mills buyers' tks.....lb
Crude, bbls., NY.....lb
Perilla, bbls., NY.....lb	.14½	..	.14½
Poppyseed, bbls., NY	2.25	..	2.50

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Soda Ash
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Sal Soda
Glauber's Salt
Tri Sodium Phosphate
Sodium Bicarbonate
Sodium Silicate

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Newark, N. J.What is said of
our Services!

Messrs. Gebr. Waaning 'Tilly, from Haarlem (Holland)
write to us on the 23rd of October, 1922:—

"We received through our Agents, the Registered Deed of the
declaration of ownership of our Trade Mark and Proprietary
Name, and are pleased to inform you that the same has been found
correct and the work done by you to our entire satisfaction.

"If any of our friends should be desirous of having his trade-
mark also registered in India, we shall certainly recommend him
your firm."

The Huntley Manufacturing Co., from Silver Creek, N. Y.,
U. S. A., write to us on the 5th of January, 1923:—

"We wish to thank you for the manner in which you have handled
this and if there is any further business of this nature at any time
that you can attend to, we will be glad to place it in your hands."

Messrs. Max Dorner G. m. b. H., from Solingen (Germany)
write to us on the 25th of January, 1923:—

"Please note that we are satisfied by your work, and that further
registrations will also be trusted to you."

P. LODGE & CO.

Patent and Trade Mark Agents

POST BOX NO. 6772

CALCUTTA, INDIA

Oils and Fertilizers

Rapeseed, refined, bbls., NY.....gal	.99	: 1.00
Blown, bbls., NY.....gal	1.06	: 1.08
Red Oil, distilled, bbls.....lb	.10	%.11%
Saponified, bbls.....lb	.10	%.11%
Tanks.....lb	.10	%.10%
Salmon, 8000 gal. the Coast.....gal	...	...
Scasame, edible, bbls.....lb	.14	%.15%
Red Oil, bbls., NY.....gal	...	.40
SOYA BEAN, crude, the, Coast.....lb	...	.11%
Crude, the, NY.....lb	.12	%.12%
Crude, bbls., NY.....lb	.13	%.14
Refined, bbls., NY.....lb	...	.14
Sperm, 38° c.t. bldd. bbls. NY.gal	.92	: .93
45° cold test, bldd. bbls. NY. gal	...	.90
STEARIC ACID, s.p. 200 lb bags. lb	...	.11%
Double pressed, bags.....lb	.12	%.12%
Double pressed, bags, saponified. lb	.12	%.12%
Triple pressed, bags, distilled..lb	.14	%.14%
Triple pressed, bags, saponified..lb	.14	%.14%
Stearine, oleo, bbls.....lb	.11	%.11%
Tallow, edible, tierces.....lb	.11	%.11%
City, extra loose.....lb	.10	%.10%
Tallow Oil, acidless the, NY.....lb	...	.11%
Bbls., c/1 NY.....lb	...	.12%
Walnut, crude bbls. NY.....lb	...	...
Whale, nat. winter bbls. NY.....gal	...	.77
Bldd. winter bbls. NY.....gal	...	.81
Extra Bldd. bbls. NY.....gal	...	.83
Crude, No. 1, tanks Coast.....gal	...	...
Crude, No. 2, tanks Coast.....gal	...	...
Crude, No. 3, tanks Coast.....gal	...	...

Fertilizer Materials

Blood, dried, f.o.b. NY.....unit	...	: 3.70
Chicago.....unit	...	: 3.75
Bone, 3 & 50 gr. steam, Chgo., unit	22.00	: 23.00
Raw, NY.....ton	...	: 33.00
Cyanamide, NY, basis.....unit	1.65	: 1.75
Fish Scrap, dried wks.....unit	4.90	: 10
Acid, Bulk 7 & 3 1/2, Deliv. Norfolk & Balt. basis unit	4.00	: 50
Steamed Bone Meal, 3 & 50 Balkton	...	: 28.00
Tankage, ground, NY.....unit	3.40	: 10
High grade f.o.b. Chicago.....unit	3.20	: 10

Ammon. Sulf., bulk wks.....100 lb	2.75	: 2.80
Double, bags, f.a.s. NY.....100 lb	3.00	: 3.05
Single, bags, wks.....100 lb	...	: 2.90
NITRATE SODA, spot.....100 lb	...	: 2.40
Futuro, Jan-Mar.....100 lb	2.45	: 2.47%
Phosphate Rock, f.o.b. mines	...	...
Florida Pebble, 68%.....ton	...	: 2.25
Florida Pebble, 70%.....ton	...	: 2.50
Florida Pebble, 75-74%.....ton	...	: 3.75
Tennessee, 72%.....ton	...	: 5.50
Phosphate Acid, 16% Bulk wks. ton	...	: 9.50
POTASH	...	...
Pot. Murate, 80% basis, bps/ton	...	: 34.55
Pot. Sulfate, 90% basis, bps, ton	...	: 45.90
Dble. Manure Salts, 48% basis	...	...
Manure Salts, 30% basis, bulk ton	...	: 26.35
Manure Salts, 20% basis, bulk ton	...	: 17.03
Kainite, 12.4% basis, bulk..ton	...	: 10.55
Kainite, 12.4% basis, bulk..ton	...	: 7.75
Bulk in bags, \$2.00 extra.	...	...
Prices c.i.f. Atlantic & Gulf Ports.	...	...
Discounts, 50 tons, 6%; 500 tons, 10%.	...	...

Naval Stores

(Carloads ex-yard N. Y.)	...	...
Spirits Turpentine, bbls.....gal	.83%	: .84
Wood Turpentine, stm. dist. bbls.gal	...	: .77
Destructive distilled, bbls.....gal	...	: .68
Pine Oil, stm. dist. bbls.....gal	...	: .66
Pitch, prime.....bbl	...	: 5.50
Rosins, (Sold in 600 lb bbls., gross for net, quotations based on a unit of 280 lb).	...	...
B.....280 lb	...	: 7.55
D.....280 lb	...	: 7.55
E.....280 lb	...	: 7.55
F.....280 lb	...	: 7.55
G.....280 lb	...	: 7.55
H.....280 lb	...	: 7.55
I.....280 lb	...	: 7.55
K.....280 lb	...	: 7.55
M.....280 lb	...	: 7.95
N.....280 lb	...	: 8.70
WG.....280 lb	...	: 9.25
WW.....280 lb	...	: 9.25

Rosin Oil, first run, 50 gal. bbls.gal	...	: .45
Second run, bbl.....gal	...	: .47
Tar, kiln-burnt.....bbl	...	: 12.00
Retort.....bbl	...	: 12.00

Dye and Tan Woods

Barwood, chips.....lb	.04%	: .05
Camwood, chips.....lb	.09	: .13
Divi Divi, pods, bags.....ton	42.00	: 44.00
Fustic, sticks.....ton	30.00	: 32.00
Chips.....lb	.04	: .05
Hemlock, bark.....ton	...	: 20.00
Hyperic. chips.....lb	.06%	: .07
LOGWOOD, sticks.....ton	23.00	: 27.00
Chips 150 lb bags.....lb	.03	: .03%
Mangrove bark, African.....ton	...	: Nom.
Iyrobalsam, bags J1.....ton	45.00	: 47.00
R1.....ton	42.00	: 44.00
J2.....ton	42.00	: 44.00
Nutgalls, see Crude Drugs	...	...
Oak bark, whole.....ton	20.00	: 23.00
Ground.....ton	...	: 25.00
Quercitron bark, rough.....ton	...	: 10.00
Ground.....ton	20.00	: 25.00
Sumac, Sicily, 160 lb bags.....ton	170.00	: 175.00
Virginia, 150 lb bags.....ton	40.00	: 45.00
Valonia Cups, 30-31% tan.....ton	32.00	: 33.00
Beard, 42% tan, bps.....ton	...	: 50.00
Mixtures, 36% tan.....ton	37.00	: 38.00
Wattle bark, bps.....ton	37.00	: 39.00

Extracts

Range of prices includes quality range for large quantity.	...	...
Annatto, fine.....lb	.25	: .30
Archil, double 600 lb bbls.....lb	.13	: .14
Triple, 600 lb bbls.....lb	.16	: .17
Conc., 600 lb bbls.....lb	.13	: .20

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COPPER SULPHATE 99%
GREEN COPPERAS 98/99%
SODIUM SULPHIDE 60/62%
POTASSIUM ALUM
GLAUBER SALTS
SODIUM ACETATE
OXALIC ACID
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Tannins and Dyestuffs

Chestnut, clarified, 25% tka. wks. lb.	.01%	.01%
Sols. wks.02%	.03
Powd., 60% 100 lb bags, wks. lb.	.05%	.05%
Decolorized, bags, wks. ....	.06%	.07
Cudbear, English ....	.18	.20
Cutch, Bangon, 100 lb bales ....	.14	.16
Borneo, solid, 100 lb bales ....	.04%	.05%
Liquid, 450 lb bbls. ....	.07%	.11
Tablets, 120 lb boxes ....	.13	.14
Flavine ....	.95	1.00
Fustic, solid 50 lb boxes ....	.14	.20
Crystals, 100 lb boxes ....	.20	.22
Liquid, 51° 600 lb bbls. ....	.10	.14
Gall extract ....	.16	.18
Gambier, 25% liq. 450 lb bbls. ....	.14	.16
Common, 200 lb cases ....	.19%	.20
Singapore cubes, 150 lb bags ....	.23	.25
HEMATINE, Paste, 500 lb bbls. ....	.09%	.13
Crystals, 400 lb bbls. ....	.12	.20
Hemlock, 25% 600 lb bbls. wks. lb.	.03%	.03%
Hyperic, 51° 600 lb bbls. ....	.16	.18
Indigo, Madras, bbls. ....	.85	.90
Manila, bbls.	1.30	
Larch, 25% 600 lb bbls. wks. lb.	.03%	.04
Powd. 100 lb bags, wks. ....	.07	.08
Lagwood, 51° 600 lb bbls. ....		.09
Lower grades ....	.07	.08
Solid, 50 lb boxes ....	.09	.15
Madder, Dutch ....	.28	.30
Mangrove, 55% 400 lb bbls. ....	.04%	.05
Myrobalans, 25% liquid bbls. ....	.04	.05
50% solid, 50 lb boxes ....	.05	.05%
Oak, tanks, wks. ....	.04	.04%
23-25% liq. 600 lb bbls. wks. lb.	.04%	.04%
Orange Orange, 51° liquid ....	.07	.08
Powd. 100 lb bags ....	.14	.15

Persian Berries ....	.27	.30
QUEBRACHO, 35% liquid tka. lb.	.03	.03%
450 lb bbls. ....	.03%	.04
35% bleaching, 450 lb bbls. ....	.04%	.05%
Solid 65% 100 lb bales ....		.04%
Clarified, bales ....		.05
Quercitron, 51° 450 lb bbls. ....	.08	.08
Powdered, 100 lb boxes ....	.09	.13
Spruce, 25% liquid tanks wks. lb.	.01	.01%
Powd. 50% 100 lb bags wks. lb.	.02	.02%
Sumac, liquid 450 lb bbls. ....	.06	.07%
Stainless, 600 lb bbls. ....	.11	.12

DYERS' SUNDRIES

Albumen, technical, egg 200 lb cs. lb.		1.35
Blood, 100 lb drs. ....	.45	.50
Egg Yolk, Spray, 150 lb cs. ....	.45	.65
British Gum, 140 lb bags c/l 100 lb		4.82
Bags, c/l		4.92
Dextrin, corn 140 lb bags c/l 100 lb		4.52
Bags, c/l		4.62
Yellow, bags c/l		4.57
Bags, c/l		4.67
Potato 220 lb bags c/l ....		.08
Bags, c/l ....		.08%
Yellow, 220 lb bags ....		.07%
Tapioca, 200 lb bags, c/l ....	.09	.09%
Prussian blue ....	.35	.40
Sago Flour, 150 lb bags ....		.03%
STARCH, powd. 140 lb bags c/l 100 lb		3.97
Bags, c/l		4.07
Pearl, 140 lb bags c/l		3.87
Bags, c/l		3.97
Potato, domestic, 200 lb bags lb.	.05%	.08
Imported, bags duty paid ....		.06%
Tapioca Flour, high grade bags ....	.06	.04%
Medium grade bags ....	.05%	.05%
Low grade, bags ....	.04	.05
Turkey Red Oil, bbls. ....	.11	.13
Yolk Oil, bbls. ....		.35

Crude Drugs

Accroides Gum, yel. ....	.18	.30
ACONITE Leaves, bales ....	.10	.13
Root, USP, bags ....	.35	.37
Agar Agar, 1, 200 lb bales	1.55	1.60
No. 2, bales		1.50
No. 3, bales		1.30
Agaric, white, cases	2.75	3.00
Almonds, bitter, bags bxs ....	.60	.65
Sweet, bags ....	.57	.60
Meal, tins, boxes ....	.24	.26
Aletris Root, bags ....	.42	.44
Alkanet Root, bags ....	.06	.06%
Aloes, Barbadoes, 120 lb bbls. ....	.65	.70
Cape, 400 lb cases ....	.08%	.09
Curacao, 100 lb cases ....	.10%	.11
Socotrine, whole, 100 lb cs. ....	.35	.30
Select, cakes, lb ....	.35	.37
Althea Root, cut cases ....	.45	.50
Whole, bags ....	.11	.12
Ambergris, black boxes	8.00	10.00
Grey, boxes		26.00
Ammoniac, tears, bags ....	.68	.73
Angelica Root, dom. bags ....	.12	.13
Angostura Bark, bags		
Anise, Levant bags ....	.15	.16
Russian, bags ....	.13	.14
Star, cases ....	.11	.11%
Spanish, bags ....	.15	.15%
Anatto Seed, 200 lb bags ....	.22	.25
ARABIC GUM,		
White, No. 1, 200 lb bags ....	.26	.27
Seconds, 250 lb bags ....	.24	.25
Sorta, amber, 200 bgs. bbls. ....	.12%	.13
Powd., USP, 300 lb bbls. ....	.18	.20
Areca Nuts, 150 lb bags ....	.21	.23
Powd., 200 lb bbls. ....	.20	.22
Arnica Flowers, bales ....	.08	.08%
Root, bags ....	.25	.30
Arrowroot, Amer. powd. bbls. ....	.10%	.11
St. Vincent, powd., bbls. ....	.14%	.15
Asafetida, USP, 250 lb cases24	.26
Powd., 50 lb bxs.38	.40
BALM GILEAD BUDS, bags45	.50
Balmory Herbs, bales14

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Digitalis Leaves, bales.....	.07	: .08	Grindelia Robusta Herb, bales...D	.07%	: .08%	LADY SLIPPER ROOT, bags.....D	.50	: .55
Dill Seed, bags.....	.06	: .07	Guaiac Gum, 80 lb cases.....D	.42	: .44	Larkspur Seed, bags.....D	2.50	: 3.00
Dogwood Bark, Jamaica bags.....	.10	: .11	Guarana, tins, cases.....D	.65	: .70	Laurel Leaves, bales.....D	.04%	: .05
American, bales.....	.07	: .08	GUM, see Arable Gum, etc.			Lavender Flowers, ordinary.....D	.30	: .32
Doggrass Root, USP, cut bags.....	.10	: .11				Selected.....D	4.00	: 4.00
Dragons Blood, mass cases.....	.65	: .70	HELLEBORE ROOT,			Leeches, tubs.....D	4.00	: 5.00
Reeds, boxes.....	.80	: .85	Black, bbls.....D	.08	: .10	Lemon Peel, bags.....D	.08	: .09
ECHINACEA ROOT, bags.....D	.31	: .32	Powdered.....D	.15	: .17	Licorice Root, Russian, whole....D	.07	: .07%
Elecampane Root, bags.....D	.09	: .10	White, Powd., 250 lb bbls....D	.11	: .12	Spanish, natural bales.....D	.08%	: .09
Elder Flowers, bags.....D	.11	: .14	Helonias Root, (unicorn false) bags.....D	.67	: .68	Powdered, bbls.....D	.09	: .09%
Elm Gum, 89 lb cases.....D	.10	: .11	Hemp Seed, Manchurian bags....D	.03%	: .04	Selected, 2 & 5 lb bundles..D	.14	: .17
Elm Bark, select 5 lb bundles casesD	.26	: .29	Chilian, bags.....D	.03%	: .04	Cuttings, 125 lb bags.....D	.06	: .06%
Grinding, bags.....D			Herbena Leaves, bales, USP....D	.29	: .30	Greek, 150 lb bales.....D	.03	: .03%
ERGO, 150-200 lb bags.....D	.23	: .25	No assay.....D	.26	: .27	Life Everlasting Herbs, bales....D	.05	: .06
Eucalyptus Leaves, bales.....D	.60	: .65	Henna Leaves, bales.....D	.00%	: .10	Lime Juice, clarified bbls.....gal	.60	: .65
Euphorbia Pilulifera Herb, bags..D	.05	: .08	Powdered.....D	.12	: .13	Linden Flowers, with leaves, balesD	.10	: .11
Euphorbium Gum, cases.....D	.25	: .27	Honey, Calif., 120 lb cases....D	.12%	: .13	Without Leaves, bales.....D	.17	: .18
Powdered, boxes.....D	.40	: .42	Hops, N. Y. prime bales.....D	.28	: .30	Liverwort Leaves, bales.....D	.19	: .20
Fennel Seed, French, bags.....D	.10	: .10%	Pacific Coast prime bales....D	.25	: .27	Lobelia Herb, bales.....D	.35	: .38
German, bags.....D	.14	: .17	Horhound Herb, bales.....D	.10	: .11	Lobelia Seed, bags.....D	.62	: .63
Indian, bags.....D	.07	: .07%	Horsetail Rush, bags.....D	..	: .15	Lovage Root, Imported, bags....D	.18	: .20
Flax Seed, whole 180 lb bbls.....ea	13.00	: 13.50	India Gum, see Karaya			Lupulin, boxes.....D	1.15	: 1.20
Ground, 180 lb bbls.....D	.07%	: .08	INSECT FLOWERS, open whole			Domestic.....D	1.15	: 1.20
Fennugreek Seed, 200 lb bags.....D	.05	: .05%	Bales.....D	.38	: .40	Lycopodium, 88 lb cs.....D	.62	: .64
Fish Berries, 100-125 lb bags....D	.30	: .35	Closed whole, bales.....D	.40	: .42	MACE, Siam, No. 1.....D	.85	: .86
Fringe Tree Bark, bags.....D	.20	: .21	Powdered, pure 200 lb bbls...D	.44	: .46	Banda, No. 1 cases.....D	.90	: .92
Fumigating Pastilles Black, 1 lb			Flowers and Stems, 50 p.c.			Batavia, No. 2 cases.....D		
bbs.....D	.17	: .18	200 lb bbls.....D	.30	: .32	West India, cases.....D	.75	: .77
Red, 1 lb. bbs.....D	.17	: .18	Ipecac Root, Cartagena, bags....D	2.25	: 2.80	Malva Flowers, blue bales.....D	.35	: .37
GALANGAL ROOT, bags.....D	.08	: .09	Powdered, 200 lb bbls., bbs..D	2.50	: 2.60	Black, bales.....D	.55	: .60
Galbanum Gum, cans.....D	.80	: .85	Rio Whole, bags.....D	2.25	: 2.30	Manna, large flake cases.....D	.77	: .79
Gambier Gum, bags.....D	.19	: .20	Powdered, 200 lb bbls., bbs..D	2.50	: 2.60	Small flake, cases.....D	.38	: .40
Gamboge Gum, 160 lb cases.....D	.76	: .78	Isinglass, American, 130 lb cs....D	.75	: .80	Sorts, cases.....D		: .30
Powdered, cases.....D	.83	: .85	Russian (Beluga) bbs. ctms....D	4.00	: 4.50	Mandrake Root, bags.....D	.11	: .12
Gelsemium Root, bags.....D	.11	: .11%	JABORANDI LEAVES, bales.....D	.10	: .10%	Mastic Gum, 120 lb cases.....D	.55	: .57
Gentian Root, bags.....D	.08%	: .09	Jalap Root, whole, 150 lb bags...D	.29	: .35	Mezeron Bark, bags.....D	.11	: .12
Ginger, African, bags.....D	.19%	: .20	Powdered, USP, 250 lb bbls..D	.34	: .36	Matico Leaves, bales.....D	.12	: .13
Jamaica, grinding, bags, bbls..D	.26	: .32	Japan Wax, White bags.....D	.16	: .16%	Marjoram Leaves, German bales..D	.29	: .31
Japan, bags.....D	.16%	: .17	Job's Tears, White bags.....D	.18	: .20	French, bales.....D	.40	: .45
Cochin, ABC & Lemon, bags....D	.21%	: .22	Juniper Berries, 125 lb bags...D	.05	: .06	Millet Seed, dom. yellow bags...D	.03%	: .04
Ginseng Root, cultivated, bags....D	8.00	: 10.00	KANALA, boxes.....D	1.05	: 1.10	Montan Wax, crude bags.....D	.05%	: .06
Northwestern Wild, bags.....D	12.00	: 14.00	Karaya Gum, powdered, bbls....D	.10	: .18	Bleached.....D		
Southern Wild, bags.....D	9.00	: 11.00	Kava Kava Root bags.....D	.12	: .12%	Moss, Iceland bales.....D	.07%	: .08
Golden Seal Root, bags.....D	3.50	: 3.70	Kino Gum, black cases.....D	.50	: .55	Irish, bleached, bales.....D	.08%	: .09
Powdered, boxes.....D	4.00	: 4.10	Kola Nuts, 150 lb bags.....D	.04%	: .05	Selected, bales.....D	.10	: .10%
Grains of Paradise, bags.....D	.15	: .16	Kousoo Flowers, bags.....D	1.50	: 1.75	Mullein Flowers, tins.....D	.90	: 1.00

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Musk, pods, Carbadine, tins...oz	16.00	: 17.00	Patchouli, Leaves, bales.....D	.16	: .18	Rosemary Flowers, cases bales...D	.25	: .28
Tonquin.....oz	22.00	: 25.00	Pennyroyal Herb, bales.....D	.08	: .12	Rose Petals, pale.....D	.22	: .25
Grain Cab.....oz	25.00	: 26.00	Pepper, black Sing. bags.....D	.13½	: .14½	Red.....D	.65	: .70
Tonquin.....oz	35.00	: 38.00	White, bags.....D	.18½	: .19	Rue Herb, bales.....D	.18	: .22
Synthetic, see Chemicals			Peppers, red Mombasa, bags.....D	.10½	: .11	SABADILLA SEED, bags.....D	.13	: .14
Musk Root, Russian bags.....D	2.10	: 2.25	Cherries, bags.....D	.14	: .16	Powder, bbls.....D	.18	: .19
Mustard Seed, Bari brown bags..D	.11	: .11½	Bombay, bags.....D	.12	: .14	Saffron Flowers, Amer. bales...D	.72	: .75
Bombay, brown.....D	.09	: .10	Japan, bags.....D	.22	: .24	Valencia, 1D cans.....D	41.00	: 42.00
California, brown.....D	.11	: .11½	Peppermint Leaves, imp. bales...D	.22	: .24	Sage, Dalmatian bales.....D	.05	: .05½
Yellow.....D	.11½	: .12	Cuts, bales.....D	.12	: .14	Greek, bales.....D	.04½	: .05
Chinese yellow.....D	.05	: .05½	Domestic leaf.....D	.18	: .19	Spanish, bales.....D	.03	: .03½
English, yellow.....D	.09½	: .10	Peru Balsam, see Balsams			Sandalwood, chips bags.....D	.17	: .18
Dutch, yellow.....D	.07½	: .08	Pichl Leaves, bags.....D	.23	: .25	Ground, bags.....D	.21	: .22
Danish, yellow.....D	.08½	: .09	Pimento, select bags.....D	.08	: .08½	Sandarae Gum, 300D bbls....D	.44	: .46
Myrrh Gum, select 200D es....D	.24	: .26	Pink Root, true bags.....D	.80	: .85	Sarsaparilla Root, Honduras, bales.D	.60	: .62
Serie, cases.....D	.20	: .22	Pitch, Burgundy, see Burgundy Pitch			Mexican, bales.....D	.23	: .25
MUTGALLS, Chinese, bags.....D	.17	: .18	Picury Root, bags.....D	.22	: .25	Sassafras Bark, ordinary bales...D	.15	: .17
Alepp, bags.....D	.14	: .15	Plantain Leaves, bales.....D	.15	: .15	Select, bales.....D	.29	: .30
Nutmegs, 110s cases.....D	.55	: .57	Pole Berries, bags.....D	.10	: .10½	Saw Palmetto Berries, bags.....D	.08½	: .09
75s, 80s, cases.....D	.59	: .61	Poke Root, bags.....D	.30	: .30	Scammony Resin, boxes.....D	1.20	: 1.80
Nux Vomica Buttons, bags.....D	.05	: .05½	Pomegranate Bark, of root bags..D	.30	: .30	Scammony Root, bags.....D	.06½	: .07
Powdered, 200D bbls.....D	.08	: .09	Of Fruit, bags.....D	.30	: .30	Senega Root, bags.....D	.57	: .58
OAK BARK, red bags.....D	.05	: .06	Poppy Flowers, red bags.....D	.25	: .28	SENNA, Alex 150D cases.....D	.21	: .23
White, bags.....D	.06	: .07	Poppy seeds, Dutch, bags.....D	.11	: .11½	Half Leaf, 350D bales.....D	.13	: .15
Olibanum Gum, sift 280D cases..D	.11	: .11½	German, bags.....D	.10½	: .11	Siftings, 400D bales.....D	.10	: .11
Tears, 280D cases.....D	.11	: .11½	Turkish, bags.....D	.09½	: .10	Powdered, 200D bbls.....D	.14	: .14½
No. 1, all white 280D cases	.22	: .23	Blue Indian, bags.....D	.08	: .08½	Timorely, job 350D bbls.....D	.11	: .14½
Opium, gum, USP, cases.....D	13.00	: 13.00	White Indian, bags.....D	.26	: .28	Grinding, 350 bales.....D	.05	: .07
Granular, cans.....D	13.00	: 14.00	Prickly Ash Bark, Southern, bags.D	.14	: .16	Powdered, 200D bbls.....D	.14	: .14½
Powdered, USP, cans.....D	13.00	: 14.00	Northern, bags.....D	.23	: .25	Pods, 350D bales.....D	.12½	: .14
Orange Flowers, cases.....D	.50	: 1.00	Prickly Ash Berries, bags.....D	.14	: .16	Serpentaria Root, bags.....D	.85	: .86
Orange Peel, bitter, bags.....D	.07½	: .07½	Prince's Pine, bales.....D	.16	: .18	Shellac, D.C., bags.....D	.82	: .84
Sweet, bags.....D	.11	: .12	Pulsatilla Herb, bags.....D	.14	: .16	V.S.O. bags.....D	.82	: .84
ERRIS ROOT Florentine bold bags.D	.07½	: .08	Pumpkin Seed, bags.....D	.07	: .07½	Diamond I, bags.....D	.82	: .84
Powdered, 200D bbls.....D	.10	: .11	QUASSIA CHIPS, bags.....D	.05	: .06	Superfine, Orange, bags.....D	.68	: .70
Verona, bags.....D	.06	: .06½	Queen of the Meadow Herb, bags..D	.70	: .95	Fine, bags.....D	.67	: .69
Powdered, 200D bbls.....D	.07½	: .09	Quince Seed, bags.....D	.05	: .05½	T.N., bags.....D	.63	: .65
Fingers, cans.....D	.50	: .55	HAPE SEED, South Amer. bags..D	.05	: .05½	Garnet, A. C.....D	.61	: .63
Ozokerite Wax, brown hard bags..D	.22	: .24	Dutch, bags.....D	.05	: .05½	Button bags.....D	.79	: .81
Green, hard bags.....D	.27	: .28	Japanese, small, bags.....D	.05½	: .06	Bleached, ground, bbls.....D	.61	: .63
Refined, yellow bags.....D	.18	: .24	Raspberries, dried boxes.....D	.17	: .19	Bones Dry, bbls.....D	.73	: .74
PAPRIKA, bags.....D	.26	: .28	Red Saunders.....D	.09	: .10	Stimulant Bark, bales.....D	.07	: .08
Hungarian.....D	.13	: .14	Rhatany Root, bags.....D	.35	: .37	Sideritis Herb, cut bags.....D	.15	: .18
Parcira Brava Root, bags.....D	.09	: .10	RHUBARB, Root, H.D., cases.....D	.40	: .42	Skullcap Leaves, Eastern, bales..D	.65	: .70
Parley Seed, bags.....D			Powdered, 200D bags.....D	.04½	: .05	Western, bales.....D	.34	: .38
			Rosemary Leaves, bales.....D			Sloe Berries, bags.....D	.03	: .04

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Snake Root, Canada natural, bags..lb	.35	: .31
Stripped, bags ..lb	.50	: .65
SOAP BARK, whole, 150-200 lb		
bales ..lb	.08	: .08½
Cut, 125-175 lb bags ..lb	.09½	: .10
Crushed, 200 lb bbls. ....lb	.10	: .10½
Powdered, 200 lb bbls. ....lb	.12	: .13
Spearment Leaves, American bales..lb	.15	: .22
Spermaceti, blocks, cakes, cases..lb	.43	: .45
Spruce Root, bags ..lb	.23	: .24
Spruce Gum, boxes ..lb	1.00	: 1.50
Squaw Vine, bales ..lb	.18	: .20
Squills, white ..lb	.04½	: .05
Powdered, bulk ..lb	.35	: .40
Stavesacre Seed, bags ..lb	..	: ..
Sticklac, Siam, 250 lb bales..lb	.46	: .48
Stillingia Root, bags ..lb	.11½	: .12
Stone Root, bags ..lb	.09	: .10
Storax, liquid artif. ....lb	.70	: .75
Gen USP ..lb	.90	: 1.00
St. Ignatius Beans, bags ..lb	.12	: .13
St. John's Bread, bags ..lb	.08	: .05
Stramonium Leaves, bales ..lb	.07½	: .08
Stramonium Seed, bags ..lb	.12	: .13
Strophanthus Seed, Hispidum..lb	..	: ..
Kombe, bags ..lb	1.25	: 1.40
Sunflower Seed, domestic bags..lb	.06	: .06½
South American, bags ..lb	.05	: .05½
TAGALDER BARK, bags ..lb	.05	: .05
Tamarinds, bbls. ....lb	.05½	: .06
Kops ..lb	..	: 3.50
Tansy Herb, bales ..lb	.18	: .19
Tar, Barbadoes, 50 gal. bbls. ....gal	1.40	: 1.50
Thus Gum, 280 lb bbls. ....lb	.07½	: .08
Thyme, Spanish bales ..lb	.08	: .08½
French, bales ..lb	.11	: .11½
Tilla, see Linden		
Tolu Balsam, see Balsams		
Tonga Bark, bags ..lb	.27	: .29
Tonka Beans, Angostura, cases..lb	2.15	: 2.25
Para, cases ..lb	.75	: .80
Surinam, cases ..lb	..	: ..

Tragacanth Gum, No. 1, ribbon		
180 lb cs. ....lb	1.15	: 1.20
No. 2 to No. 6, cases ..lb	.90	: 1.16
Powdered, 50 lb boxes ..lb	.80	: .82
Turkish, cases ..lb	.70	: .85
Turmeric Root, Madras bags..lb	.13	: .13½
Aleppy, bags ..lb	.11	: .11½
Powdered ..lb	.12	: .13
China, bags ..lb	.09	: .09½
Turkentine, Venice, true 80 lb cs..lb	.15	: .16
Artificial, 80 lb cases ..lb	.11	: .13
Spirits, see Naval Stores		
UNICORN ROOT, false, see Heloni		
True, see Aletris		
Uva Ursi Leaves, bales ..lb	.04½	: .05
VALERIAN ROOT, Belgian bags..lb	.12	: .13
Vanilla Beans Mex. whole cases..lb	11.00	: 12.00
Cuts, cases ..lb	9.00	: 9.50
Bourbon, cases ..lb	9.00	: 9.50
South American, cases ..lb	..	: ..
Tahiti, yellow label cases..lb	7.00	: 7.50
Green Label, cases ..lb	..	: ..
Vetiver Root, 100 lb bags ..lb	.25	: .26
Violet Flowers, bags ..lb	.80	: .85
WAHOO BARK, of root bags..lb	.85	: .90
Of Tree, bags ..lb	.40	: .42
White Pine Bark, rossed, bags..lb	.07½	: .08
White Poplar Bark, bags ..lb	.06	: .07
Wild Cherry Bark, thin green		
Rosced, bales ..lb	.12	: .13
Thick Rosced, bales ..lb	.08	: .09
Thin Natural, bales ..lb	.08½	: .09½
Thick Natural, bales ..lb	.05	: .06
Willow, bark bags ..lb	..	: .06
White, bags ..lb	..	: .15
Witch Hazel Bark, bags ..lb	.07	: .08
Witch Hazel Leaves, bales..lb	.07½	: .08
Worm Seed, American bags..lb	.08½	: .09
Levant, bags ..lb	2.75	: 4.00
Wormwood Herb, imported bales..lb	..	: .10
Yacca Gum, red ..lb	.04	: .04½
Ground ..lb	.05½	: .06½
YELLOW DOCK ROOT, bags..lb	.12	: .14
Yellow Parilla Root, bags..lb	.16	: .17
Yerba Santa, bags ..lb	.09	: .09½
Zedoary Root, bags ..lb	.11	: .12

Essential Oils

Almond Bitter USP, 5 lb bot. ....lb	3.15	: 3.25
Bitter ff PA 5 lb bot. ....lb	3.25	: 3.50
Sweet, 56 lb cans ..lb	.85	: .90
Peach Kernel, 55 lb tins. ....lb	.24	: .25
Apricot, see Peach Kernel		
Amber, crude 25 lb tins. ....lb	.70	: .75
Rectified, 25 lb tins. ....lb	.85	: .90
Angelica Root, 1 lb bot. ....lb	28.00	: 30.00
ANISE, Tech., 66 lb case. ....lb	.55	: .57
USP, 50 lb tins ..lb	.58	: .60
Bay, 25 lb tins ..lb	2.20	: 2.30
Bergamot, 25 lb coppers ..lb	3.75	: 4.00
Artificial, 25 lb cans ..lb	2.20	: 2.35
Birch Tar, rect. 5 lb bot. ....lb	.75	: .80
Crude, 50 lb tins. ....lb	.30	: .50
Bois de Rose, 25 lb tins. ....lb	4.75	: 5.50
Cade, 25 lb cans. ....lb	.35	: .40
Cajuput, native, 50 lb tins. ....lb	.75	: .80
Calamus, 5 lb bot. ....lb	4.20	: 4.65
Camphor, heavy, 1000 lb drums..lb	.14½	: .15
Japanese, white, 72 lb cases..lb	.14	: .14½
White, 1000 lb drums ..lb	.13½	: .14
Cananga, native 25 lb tins. ....lb	2.00	: 2.25
Rectified, 25 lb tins ..lb	2.50	: 3.00
Caraway, USP ..lb	3.00	: 3.15
Cardamom, USP, 1 lb bot. ....lb	34.00	: 36.00
Carvol, 5 lb bot. ....lb	9.50	: 10.50
CASSIA, 80-85 p.c. 400 lb drn. lb	..	: ..
Redistilled, USP, 50 lb cans..lb	2.75	: 3.00
Cedar Leaf, 50 lb tins. ....lb	.85	: .95
Cedar Wood, light 100 lb drums..lb	.80	: .90
Celery, 1 lb bot. ....lb	10.00	: 11.00
Chaulmoogra, 80 lb cases ..lb	.85	: .90
Cinnamon, Ceylon, 1 lb bot. ....lb	11.00	: 12.50
Leaf, 5 lb bot. ....lb	1.40	: 1.50
CITRONELLA, Ceylon.		
1000 lb drums ..lb	.75	: .82
50 lb tins ..lb	.78	: .85
Java, 400 lb drums ..lb	1.50	: 1.60
50 lb tins ..lb	1.60	: 1.70
Cloves, USP, 50 lb cans ..lb	2.10	: 2.15
6 lb bot.lb	2.20	: 2.25

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Copaiba, USP, 50 lb tins.....	.40	: .42
Coriander, USP, 1 lb bot.....	10.75	: 11.00
Croton, USP, 25 lb tins.....	.95	: 1.00
Cubeb, USP, 5 lb bot.....	4.50	: 4.75
Cumin, 1 lb bot.....	11.00	: 11.50
Dill, 1 lb bot.....	4.25	: 4.50
Erigeron, 20 lb tins.....	4.00	: 4.50
EUCALYPTUS, Austl. USP		
50 lb ca.....	.50	: .61
500 lb drums.....	.57	: .59
Fennel, USP, 25 lb tins.....	.90	: 1.10
Geranium, Algerian, 25 lb tins.....	7.25	: 7.75
Bourbon, 25 lb tins.....	7.00	: 7.50
Turkish, 25 lb tins.....	4.25	: 4.50
Ginger, 1 lb bot.....	9.50	: 10.50
Gingergrass, 25 lb tins.....	2.75	: 3.00
Hemlock, 50 lb cans.....	.82	: .85
Juniper Berries, USP, 25 lb tins.....	1.80	: 1.75
Wood, 50 lb tins.....	.50	: .60
Lavender, USP, 28 lb tins.....	5.50	: 8.00
Spice, Spanish, 50 lb cans.....	1.10	: 1.25
LEMON, Ital. USP, 25 lb tins.....	.98	: 1.15
American, USP, 25 lb tins.....	.75	: .80
Lemongrass, native, 50 lb cans.....	1.10	: 1.20
Limes, Express, 25 lb tins.....	2.25	: 2.35
Distilled, 25 lb tins.....	1.20	: 1.35
Linaloe, Mex 80 lb cans.....	3.40	: 3.60
Mace, distilled, 50 lb tins.....	1.60	: 1.70
Mirbane, ref., see Ar. Chemicals		
Mustard, USP, 1 lb bot.....	...	: 14.00
Artif., USP, 1 lb bot.....	3.00	: 3.25
Neroli, Bigarade, 1/2 & 1 lb bot.....	40.00	: 60.00
Petale, 1 lb bot.....	90.00	: 120.00
Artificial, 1 lb bot.....	10.00	: 25.00
Nutmeg, USP, 25 lb tins.....	1.60	: 1.70
Orange, bitter, 25 lb tins.....	2.60	: 2.75
Sweet, W. Ind., 25 lb tins.....	2.75	: 2.90
Italian, 25 lb cop.....	2.95	: 3.25
American, 25 lb tins.....	2.75	: 2.80
Distilled, 25 lb tins.....	1.50	: 1.75
Spanish, 25 lb tins.....	2.55	: 2.85
Origanum, 50 lb cans tech.....	.30	: .35
Farsley, 1 lb bot.....	3.50	: 4.00
Patchouli, 5 lb bot.....	4.50	: 5.50
Pennyroyal, dom., 25 lb tins.....	2.00	: 2.15
Imported, 25 lb tins.....	1.65	: 1.70
PEPPERMINT, nat., 60 lb cans.....	9.00	: 9.50
Rodia, USP, 60 lb cans.....	9.50	: 10.00
Petit Grain, S. A., 35 lb tins.....	2.10	: 2.20
French, 1 lb bot.....	7.00	: 8.00
Italian, 25 lb tins.....	2.25	: 2.35

Pimento, 25 lb tins.....	2.25	: 2.35
Pinus Sylvestris, 25 lb tins.....	...	: 1.40
Pumilio, USP, 25 lb tins.....	...	: 2.25
Rose, Fr., 8, 16 & 32 oz pkgs.....	...	: 9.00
Bulg., S, 16 & 32 oz pkgs.....	8.00	: 9.00
Artificial, 1 lb bot.....	2.00	: 3.00
Rosemary, USP, 27 1/2 lb tins.....	.42	: .46
1000 lb drums.....	.35	: .40
Tech., 27 1/2 lb tins.....	.35	: .40
Rue, 1 lb bot.....	...	: 4.25
Sandalwood, E. Ind. USP, 76 lb cases.....	6.75	: 7.00
W. Indian, (Amyris) 25 lb tins.....	2.80	: 2.90
Sassafras, USP, 50 lb cans.....	1.10	: 1.20
Artificial, 1000 lb drs., 60 lb cans.....	.34	: .36
Savin, 5 lb tins.....	2.25	: 2.40
Spearmint, USP, 60 lb cases.....	4.35	: 4.60
Spruce, 50 lb tins.....	.82	: .85
Tanay Amer., 20 lb tins.....	2.85	: 3.10
Tar, 50 gal. bbls.....	.25	: .26
Refined, USP 25 lb tins.....	...	: ...
Thyme, red, USP, 25 lb tins.....	.85	: 1.00
White, USP, 25 lb tins.....	1.00	: 1.10
Tech., 110 lb drums.....	.30	: .35
Vetivert, Bourbon 1 lb bot.....	12.00	: 14.00
Indian, 1 lb bot.....	30.00	: 32.00
Java, 1 lb bot.....	20.00	: 22.00
Wine, heavy 1 lb bot.....	...	: 1.50
WINTERGREEN		
Sweet beh., 25 lb tins.....	2.50	: 3.00
Southern, 25 lb tins.....	1.85	: 2.00
Gaultheria, true 25 lb tins.....	7.00	: 8.00
Southern, 25 lb tins.....	3.75	: 4.00
Synthetic, USP, 50 lb cans.....	...	: .47
Wormseed, Balt., USP, 25 lb tins.....	3.40	: 3.75
Wormwood, dom., 25 lb tins.....	4.00	: 4.50
Ylang Ylang, Bourbon 10 lb tins		
No. 1.....	6.00	: 8.00
No. 2.....	5.00	: 6.00
Manila, 1 lb bot.....	28.00	: 40.00
Artificial, 1 lb bot.....	10.00	: 12.00
OLEORESINS		
Aspidium, USP, 1 lb bot.....	2.75	: 3.00
Carsicum, USP, 5 lb bot.....	2.50	: 2.75
Ginger, 5 lb bot.....	3.35	: 3.60
Cubeb, USP, 1 lb bot.....	4.50	: 4.75
Malefern, See Aspidium		
Orris 1 lb bot.....	15.00	: 18.00
Pepper, black, USP, 1 lb bot.....	3.50	: 4.00
Vanilla, 1 lb bot.....	22.50	: 25.00

Aromatic Chemicals

NATURAL DERIVATIVES

Anethol, 2 lb bot.....	1.25	: 1.75
Borneol, 1 lb bot.....	...	: 3.50
CITRAL, 25 lb cans.....	2.75	: 3.00
Citronellal, 1 lb bot.....	2.50	: 3.00
EUCALYPTOL, USP, 25 lb cans.....	...	: .80
Eugenol, USP, 25 lb cans.....	3.25	: 3.50
Geraniol, Domestic, 50 lb cans.....	3.50	: 4.00
Imported, 5 lb bot.....	3.75	: 4.50
Isa-Eugenol, 1 lb bot.....	4.50	: 5.00
Imported.....	5.25	: 6.25
Linalol, 5 lb bot.....	6.25	: 7.50
From Bois de Rose, 5 lb bot.....	11.00	: 12.75
MENTHOL, 60 lb cases.....	...	: 13.75
Less cases, 5 lb cans.....	...	: 13.75
Rhodinol, 1 lb bot.....	18.00	: 21.00
Extra, 1 lb bot.....	40.00	: 47.00
SAFROL, 60 lb cans.....	45	: 47
Thymol, USP, 25 lb tins.....	5.50	: 6.00

SYNTHETIC AROMATICS

Acetaldehyde, 50% solupure, 5 lb bot.....	1.75	: 2.00
Acetophenone, CP, 1 lb bot.....	4.25	: 4.50
Aldehyde, C-8 (Octyl) 1 lb bot.....	45.00	: 60.00
Aldehyde, C-9 (Nonyl), 1 lb bot.....	70.00	: 75.00
Aldehyde, C-10 (Decyl), 1 lb bot.....	50.00	: 58.00
Aldehyde, C-12 (Dodecyl), 1 lb bot.....	27.50	: 32.50
Aldehyde, C-14, 1 lb bot.....	22.50	: 25.00
Aldehyde, C-16, 1 lb bot.....	70.00	: 80.00
Aldehyde, pure Anisic Aldehyde		
Amyl Acetate, pure 5 gal. cans.....	4.00	: 4.25
Amyl Butyrate, 1 lb bot.....	1.75	: 2.00
Amyl Cinnamate, 1 lb bot.....	4.00	: 4.50
Amyl Formate, 1 lb bot.....	1.50	: 1.75
Amyl Phenyl Acetate, 1 lb bot.....	4.50	: 5.00
AMYL SALICYLATE, dom. 100 lb chys.....	1.45	: 1.50
Imported.....	2.25	: 2.50
Amyl Valerate, 5 lb bot.....	4.75	: 5.00
Anisic Aldehyde, 1 lb bot.....	3.75	: 4.25
BENZALDEHYDE, USP, 40 lb chys.....	1.40	: 1.50
FFC, 40 lb chys.....	1.50	: 1.65
Benzic Ether, See Ethyl Benzate		
Benzophenone, 1 lb bot.....	6.75	: 7.00
Benzyl Acetate, 100 lb chys.....	1.55	: 1.75

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Terpeneless Oils, etc.

Aromatic Chemicals

Benzyl Alcohol, 5 lb. bot.	1.45	1.55	Iso-Butyl Benzate, 5 lb. bot.	4.75	5.00	Skatol, 1 oz. bot.	7.00	7.25
BENZYL BENZOATE, 5 lb. bot.	1.80	1.75	Iso-Safrol, 1 lb. bot. imported.	5.00	5.25	Terpyril Acetate, 25 lb. cans.	1.65	1.85
Medicinal FFC.	1.75	2.00	Domestic, 5 lb. bot.	4.00	4.25	Imported, 25 lb. cans.	1.90	2.20
Benzyl Butyrate, C.P., 1 lb. bot.	5.50	6.00	Linalyl Acetate, 1 lb. bot. dom.	8.00	9.50	TERPINEOL, CP, 1000 lb. drums. ....	.45	.47
Benzyl Cinnamate, 1 lb. bot.	10.00	10.50	Imp., 1 lb. bot.	8.00	8.50	Cans, 50 lb. ....	.50	.54
Benzyl Formate, 1 lb. bot.	3.00	3.25	Linalyl Benzate, 1 lb. bot.	13.00	14.00	Absolute, 25 lb. cans. ....	.90	1.15
Benzyl Propionate, 1 lb. bot.	5.00	5.25	Linalyl Formate, 5 lb. bot.	10.50	12.00	Imported, 25 lb. cans. ....	.50	.55
Benzyl Acetate, 1 lb. bot.	3.00	3.50	Methyl Acetophenone	4.75	5.00	VANILLIN, USP, 500 oz. cans. ....	...	.49 1/2
Bromatrol, 25 lb. cans.	3.50	4.00				Cans, 16 oz., 80 oz. ....	.50	.51
Butyl Anthranilate, 1 lb. bot. dom. ....	...	16.00				Second Hands ....	.47	.50
Butyric Ether, See Ethyl Butyrate			METHYL ANTHRANILATE dom.,			Valerianic Ether, See Ethyl Valerate		
Cinnamic Acid, 5 lb. cans.	3.00	3.25	1 lb. bot.	2.75	3.25	Yara Yara, 1 lb. cans.	1.75	2.00
Cinnamic Alcohol, liquid 1 lb. bot.	9.00	9.50	Imported	3.00	3.25			
Crystallizable	9.50	10.00	Methyl Benzoate, 5 lb. bot. import.	2.00	2.25	PERFUMERS' SUNDRIES		
Cinnamic Aldehyde	3.50	3.75	Domestic, 5 lb. bot.	1.75	2.00	Almond Meal, 25 lb. cans. ....	.28	.30
CITRONELLOL, 1 lb. bot.	9.00	11.00	Methyl Cinnamate, 1 lb. bot.	3.50	3.75	Ambergris, black, bxs.	8.00	10.00
Imported, 1 lb. bot.	10.00	12.00	Methyl Heptenone, 1 lb. bot.	8.00	8.25	Ambergris, gray, bxs. ....	...	26.00
Chironellyl Acetate, 1 lb. bot.	13.00	14.00	Methyl Paracresol, 1 lb. bot.	8.00	9.00	Balsam Copaiba, Para, 80 lb. cases. ....	.35	.37
COUMARIN, 25 lb. cans.	3.25	3.45	Methyl Phenylacetate, 5 lb. bot. dom.	3.75	4.00	South American, 80 lb. cases. ....	.43	.44
DIETHYL PHTHALATE, 25 lb. cans. ....	.40	.45	METHYL SALICYLATE, USP 500 lb.			Balsam Peru, 120 lb. cases.	1.95	2.05
1000 lb. drs. ....	.35	.40	50 lb. drums ....	...	.45	Balsam Tolu, 90 lb. cases.	1.65	1.80
Diphenylsulfide, 25 lb. tins. ....	.85	.90	Second Hands ....	.44	.45	Benzoin Gum, Siam, bxs.	1.30	1.35
Ethyl Acetate, pure, 5 lb. bot. ....	.45	.50	Mirbane, rect., 1000 lb. drums.	12 1/2	14	Castoreum, 1 lb. bot.	4.00	4.50
Ethyl Benzate, 5 lb. bot.	1.85	2.00	Musk Ambrette, 1 lb. cans.	12.00	13.00	Chalk, precip. light, 175 lb. bbls. ....	.04 1/2	.05
Ethyl Butyrate, 5 lb. bot.	1.75	2.00	Musk Ketone, 1 lb. cans.	15.00	16.00	Cherry Laurel Water, 5 gal. cans.	1.15	1.25
Ethyl Caproate, 1 lb. bot.	3.25	3.50	Musk Xylene, 5 lb. cans.	3.75	3.90	Civet Abyssin, horns.	2.75	3.75
Ethyl Cinnamate, 1 lb. bot.	3.50	3.75	Nerolin, 1 lb. cans.	1.65	2.00	Labdanum, 5 lb. bot. ....	...	8.00
Ethyl Formate, 5 lb. bot.	2.00	2.10	Oenanthe Ether, 1 lb. bot.	1.50	2.00	Lanolin hydrous, 350 lb. bbls. ....	.15	.21
Ethyl-methyl Paracresol, 1 lb. bot.	3.25	3.50	Phenylacetalddehyde, dom.,			Anhydrous, 350 lb. bbls. ....	.18	.23
Ethyl Phenylacetate, 5 lb. bot.	3.75	4.00	1 lb. bot. 50 p.e.	8.00	8.50	Musk pods, Cabardine, tins.	16.00	17.00
Ethyl Propionate, 1 lb. bot.	2.25	2.50	Imported, 50 p.e.	7.50	8.00	Tonquin, tins.	22.00	25.00
Ethyl Valerate, 5 lb. bot.	4.50	4.75	80-85 p.e.	14.00	16.00	Grains, Cabardine, tins.	25.00	26.00
Ethyl Salicylate, 5 lb. bot.	3.25	3.50	Phenylacetic Acid, 1 lb. bot.	3.00	3.25	Tonquin, tins.	35.00	38.00
Formic Ether, See Ethyl Formate			Phenyl Diacetate, 1 oz. bot.	3.25	3.50	Synthetic. See Aromatic Chemicals		
Geranyl Acetate, 1 lb. bot.	5.00	5.50	PHENYLETHYLALCOHOL dom.,			Oris Rt. Flor., powd. bbls. ....	.08 1/2	.09
Geranyl Butyrate, 1 lb. bot.	13.00	13.50	1 lb. bot.	8.00	10.00	Verona, 40 lb. chys. ....	.05	.06
Geranyl Formate, 1 lb. bot.	12.00	12.50	Imported	7.00	7.75	Petrolatum, snow white-350 lb. bbls. ....	.12 1/2	.13
Heliotropin, dom., 100-10 lb.	1.85	2.00	Phenylethyl Butyrate, 1 lb. bot.	26.00	28.00	Light Amber, 350 lb. bbls. ....	.04 1/2	.05
Imported	2.25	2.50	Phenylethyl Formate, 1 lb. bot.	19.00	21.00	Rice Starch, 140 lb. bgs. ....	.09	.10
Hydroxyacetone, 1 lb. bot.	12.00	14.00	Phenylethyl Propionate, 1 lb. bot.	20.00	24.00	Rose Water, 6.2-3 gal. chys.	1.00	1.25
Indol, CP, 1 oz. bot.	6.00	6.50	Phenylethyl Valerate, 1 lb. bot.	25.00	29.00	Sandalwood chips, powd. bags. ....	.30	.35
Isonone, 1 lb. bot. 100%	10.00	11.00	Phenylpropylalcohol, 1 lb. bot.	15.00	16.00	Saponin, 5 lb. tins.	1.25	1.50
Alpha	14.50	16.00				Tale Italian, 220 lb. bgs.	60.00	80.00
Beta	12.75	14.50				Tale French, 220 lb. bgs.	40.00	45.00
Methyl	16.00	18.00				Tale, domestic ref., 100 lb. bags.	14.00	15.00



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ANTIMONY—Regulus, 230 cs., Order, London
BALSAM—Copaiba, 20 cs., A. A. Stillwell & Co., London; Tolu, Equit. Trust Co., Cartagena
BARIUM—Peroxide, 118 kgs., W. A. Brown & Co., Rotterdam; 30 kgs., Mallinckrodt Chem. Wks., Rotterdam
BARK—60 bgs., Allaire Woodward & Co., Hamburg; Mangrove, 500 bgs., P. Andrade & Son, Cape Haitien
BERRIES—Juniper, 50 bgs., Amer. Exp. Co., Trieste; 150 bgs., Order, Trieste
CHALK—500,000 kilos, K. B. Fox, Dunkirk; 800,000 kilos, G. W. Higman & Co., Dunkirk; 2,621 bbls., Nat City Bk., Antwerp
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COLORS—53 pgs., Ciba Co., Havre; 10 pgs., Carbic Color & Chem. Co., Havre; 39 cylinders, Sandoz Chem. Wks., Havre; 42 cks., Geigy Co., Havre; 22 pgs., Ciba Co., Havre; 2 kgs., 34 cks., Amer. Exch. Nat. Bk., Antwerp; 2 bbls., Ital. Disc. & Trust Co., Antwerp; 7 cks., Geigy Co., Antwerp; 8 cks., Amer. Ex. Nat. Bk., Antwerp; 80 cks., Kuttroff Pickhardt & Co., Rotterdam; 4 cks., Color Service Corp., Rotterdam; 5 cks., H. A. Metz & Co., Rotterdam; 9 bbls., Irving Bk., Genoa; 1 bbl., 4 cs., Order, Genoa; 10 drs., Order, Liverpool; 5 cks., Sherwin Williams Co., Southampton; 7 cs., J. C. Rohold & Co., London; 1 cse., Kuttroff Pickhardt & Co., Rotterdam; 1 cse., Grasselli Dyestuff Corp., Rotterdam; 3 cks., Amer. Exch. Nat. Bk., Rotterdam; 5 cks., Equit. Trust Co., Rotterdam; **Coal Tar**, 21 cks., H. A. Metz & Co., Rotterdam; 20 drs., Amer. Exp. Co., Rotterdam; **Earth**, 12 cks., Reichard Coulston Inc., Hamburg; 5 drs., Order, Hamburg; 63 cks., C. J. Osborn & Co., Rotterdam; 90 cks., C. J. Osborn & Co., Rotterdam; 6 cks., A. Hurst & Co., Rotterdam; **Ultramarine Blue**, 16 cks., A. Maharrie, Glasgow; **Venetian Red**, 100 cks., J. Lee Smith & Co., Liverpool
COPRA—525 bgs., Franklin Baker Co., Belize
CREOSOTE—3,500 tons, Order, Grangemouth; 5,223 tons, Order, Amsterdam
CUTTLEFISH BONE—104 bkts., J. Tocco, Trieste; 20 cs., Order, Bordeaux
DRAGONS BLOOD—10 cs., Order, London
DRUGS—15 cs., Merck & Co., London
EARTH—20 cks., 2 cks., Order, Antwerp
EPSOM SALTS—500 bbls., Roessler & Hasslacher Chem. Co., Hamburg
FLOWERS—Lavender, 4 bbls., S. B. Penick & Co., Marseille; Insect, 15 bbls., Brown Bros. & Co., Trieste
FULLERS EARTH—250 bgs., L. A. Salomon & Bro., London
GELATINE—40 cs., P. Puttman, Rotterdam; 166 bbls., H. A. Sinclair, Rotterdam; 24 cs., P. C. Zuhlke, Rotterdam; 20 cs., Amer. Exp. Co., Rotterdam; 60 cs., Amer. Exp. Co., Rotterdam
GLUE—20 bgs., Jefferson Imp. Co., Hamburg; 102 bbls., 12 bgs., Brit. Bk. of So. Africa, Antwerp; 105 bgs., G. H. Hommel, London; 135 cs., L. W. Ferdinand & Co., London; 447 bgs., Nat. Gum & Mica Co., Liverpool
GLUESTOCK—30 bbls., Equit. Trust Co., Hamburg
GUMS—6 bgs., H. Lowenstein, Havre; 500 tons, Bering Bros., London; 6 bgs., Order, London; **Cicle**, 25 bbls., H. Triest & Co., Vera Cruz; 20 bbls., Gomez & Sloan, Vera Cruz; 200 bgs., Chicle Development Co., Belize; Cepai, 552 bgs., Chem. Nat. Bk., Antwerp; 612 bgs., Order, Antwerp; 63 bgs.,

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HERBS—13 bbls., First Nat. Bk., Minneapolis, Havre
HEXAMETHYLENE—20 cs., Order, Hamburg
IRON—Chloride, 33 cs., Irving Bk., Hamburg
IRON OXIDE—41 cs., Reichard Coulston Inc., Liverpool
JUICE—Lime, 28 cs., 2 bbls., A. D. Strauss & Co., Dominica; 73 pgs., 114 pgs., Order, London; 125 cs., J. P. Smith & Co., London
KAOLIN—25 cs., Judson Freight Fwdg. Co., Hamburg
LEAVES—Sage, 6 bbls., Order, Trieste; Sumac, 100 bbls., Guaranty Trust Co., Palermo
LEECHES, 7 pails, C. Comerio, Naples
LIME—Chlorinated, 150 cs., Kohnstamm & Co., Liverpool
LITHOPONE—151 bbls., E. M. & F. Waldo, Antwerp; 40 bbls., A. Klipstein & Co., Antwerp; 40 cs., L. H. Butcher Co., Rotterdam
MAGNESITE—Caustic Calcium, 106 cs., 250 bgs., Brown Bros. & Co., Rotterdam
MANGANESE—Chloride, 27 cs., A. Klipstein & Co., Hamburg; Ferrosilicon, 71 drs., Chile Exploration Co., Antofagasta
METALLIC CALCIUM—1 csc., C. Hardy Inc., Havre
MYROBALANS—6,315 pgs., Nat. City Bk., Calcutta
OCERE—227 bbls., Reichard Coulston, Marseilles; 88 bbls., Order, Marseilles
PHOSPHORUS—5 cs., Bank of America, Hamburg
OILS—Acetone, 44 drs., R. W. Greeff & Co., Hamburg; Creosote, 6 drs., Order, Glasgow; Fusel, 2 drs., East River Nat. Bk., Hamburg; 23 drs., 6 kgs., Order, Hamburg; 4 bbls., International Agencies, Rotterdam; Haarlem, 20 cs., Lehn & Fink, Rotterdam; Olive, 265 cs., E. La Montagne Sons, Bordeaux; 100 bbls., Order, Piraeus; Olive Oil Foots, 300 bbls., Order, Piraeus; Palm, 39 cs., Fourth St. Nat. Bk., Liverpool; 156 cs., Order, Liverpool; Sperm, 30 bbls., Order, Glasgow; Vegetable, 10 drs., Simon Strauss & Co., Alicante

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PLUMBAGO—335 bgs., Order, Colombo

POTASSIUM SALTS—Alum, 17 cs., Kachurin Drug Co., Hamburg; 67 bbls., Order, Hamburg; Bichlorate, 1 csc., Nat. Amer. Bk., Hamburg; Bromide, 50 cs., A. Hurst & Co., Hamburg; 20 cs., R. W. Greeff & Co., London; 20 cs., Lo Curto & Funk, London; Carbonate, 4 bbls., McKesson & Robbins, Hamburg; Caustic, 527 drs., A. Klipstein & Co., Hamburg; 75 drs., Parsons & Petit, Hamburg; 38 bbls., 18 bgs., Order, Hamburg; Chlorate, 2,500 cs., Irving Bk., Hamburg; 300 kgs., Order, Hamburg; 250 bbls., C. Hardy Inc. Havre; Hydrate, 52 bbls., Brown Bros. & Co., Hamburg; Muriate, 130 bgs., Potash Imptg. Corp. of Amer., Bremen; 1,000 bgs., Potash Imptg. Corp., Bremen; Perchlorate, 60 cs., W. F. Eissing, Rotterdam; Prussiate, 18 kgs., C. Tennant Sons & Co., Liverpool

PYRIDINE—10 cs., Irving Bk., Hamburg; 6 drs., R. W. Greeff & Co., Hamburg; 6 drs., R. W. Greeff & Co., Hamburg; 6 drs., Bernard Judae & Co., Hamburg; 6 drs., Order, Hamburg; 18 drs., Order, Hamburg
QUICKSILVER—100 bottles, Order, London; 300 bottles, Leghorn Trading Co., Messina; 300 bottles, Order, Messina

QUININE—11 cs., R. W. Greeff & Co., Rotterdam; 16 cs., Order, Rotterdam

ROOTS—10 bgs., Chem. Nat. Bk., Hamburg; 886 bbls., G. W. Sheldon & Co., Hamburg; 5 bbls., Allaire Woodward & Co., Hamburg; 245 bbls., Chem. Nat. Bk., Rotterdam; Arrow, 15 cs., J. P. Smith & Co., London; Broom, 120 pgs., Order, Vera Cruz; Dandelion, 13 bgs., Lo Curto & Funk, London; Rhubarb, 10 cs., R. Hilton Son Co., London; Sarsaparilla, 30 bbls., R. F. Raab, Tampico
ROSE—6 bbls., Meckie & Co., Azua
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SALT—167 bgs., J. Auerbach & Co., Turks
SEEDS—Canary, 263 bgs., Nat. City Bk., Bordeaux; 988 bgs., Order, Bordeaux; 486 bgs., G. W. Sheldon & Co., Casablanca; 200 bgs., Order, Casablanca; Caraway, 250 bbls., Habicht Braun & Co., Rotterdam; Castor, 15 bgs., Holt & Co., Jaemel; Coriander, 400 bgs., J. Ahana & Co., Casablanca; Mustard, 100 bgs., Levy & Lewis, Rotterdam; 150 bgs., W. Tappenbeck, Rotterdam; 500 bgs., R. F. Downing & Co., Rotterdam; Poppy, 250 bbls., Habicht Braun & Co., Rotterdam; 300 bbls., Sokol & Co., Rotterdam; 450 bbls., Levy & Lewis Co., Rotterdam; 100 bgs., 200 bbls., Archibald & Lewis, Rotterdam; 150 bbls., Levy & Lewis Co., Rotterdam; 100 bgs., Catz Amer. Co., Rotterdam; 100 bgs., Order, Rotterdam; Rape, 650 bgs., Order, Rotterdam
SENNA—Siftings, 43 bbls., Order, Port Sudan
SHELLAC—23 cs., C. F. Gerlach, Rotterdam; 100 bgs., British Bk., Calcutta; 1,927 bgs., Order, Calcutta; 1,200 bbls., Order, Calcutta; Seed Lac, 347 bgs., Order, Calcutta; 150 bgs., Order, Calcutta
SODIUM SALTS—108 cs., Jungmann & Co., Hamburg; Bromide, 40 cs., C. B. Richard & Co., Hamburg; 50 cs., Order, Hamburg; Citrate, 5 cs., East River Nat. Bk., London; Nitrate, 7,134 bgs., Anthony Gibbs & Co., Iquique; 13,760 bgs., Anglo So. Amer. Trust Co., Iquique; 11,835 bgs., Wessel Duval Co., Antofagasta; Nitrite, 1 ck., Kuttroff Pickhardt & Co., Rotterdam; Prussiate, 108 cs., Order, Rotterdam; 22 cs., C. Tennant Sons & Co., Liverpool; Sulphhydrate, 240 drs., C. S. Grant & Co., Rotterdam; Sulfate, 173 drs., C. S. Grant & Co., Hamburg

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SPONGES—6 bls., Amer. Sponge & Chamois Co., Bremen; 6 bls., Lasker & Bernstein, Bremen; 12 bgs., A. Stratigos, Piraeus; 13 bgs., Order, Piraeus

SULFUR—200 cks., Heemsoth Basse Co., Bordeaux; 44 cks., Order, Bordeaux

SUMAC—300 bgs., Order, Palermo

TARTAR—300 bgs., Royal Baking Powder Co., Marseilles; 100 bgs., C. Pfizer & Co., Marseilles

TEA FLUFF—305 bls., Order, Colombo; Waste, 545 bgs., W. Schall & Co., Calcutta; 443 bgs., Order, Calcutta; 688 bgs., Monsanto Chem. Wks., London

THYMOL—10 cs., Stanley Jordan & Co., Hamburg; 2 cs., Mallinckrodt Chem. Wks., Rotterdam

VANILLA BEANS—10 cs., L. C. Dever, Bordeaux; 13 cs., Gomez & Sloan, Vera Cruz; 4 cs., Thurston & Braidich, Marseilles

WAX—12 bgs., Yglesias & Co., Santo Domingo; 9 bgs., Yglesias & Co., Sanchez; Bees, 20 bgs., R. Desvervigne, Santiago; 8 bgs., Order, Santiago; 8 bls., E. A. Bromund Co., Arroyo; 6 bgs., A. Philippi, Mayaguez; 34 bls., Ponds Extract, Rotterdam; Paraffine, 21 drs., Order, Hamburg; 86 cs., Lazard Freres, London; Spermaceti, 94 bbls., Order, Glasgow

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WOODFLOUR—753 sks., B. L. Soberski, Rotterdam; 478 bgs., Innis Speiden & Co., Rotterdam; Dust, 709 bls., Bakelite Corp., Rotterdam

WOOL GREASE—6 bbls., Order, Hamburg; 30 cs., Pfaltz & Bauer, Bremen

ZINC—Chloride, 70 cks., T. Goldschmidt Corp., Rotterdam; Oxide, 10 cks., E. M. Sergeant Co., London

IMPORTS AT PHILADELPHIA

Nov. 18 to 25

AMMONIUM CHLORIDE—49 cks., Harshaw, Fuller & Goodwin, Liverpool

CHALK—4,350 tons, Brown Bros. & Co., London

CHINA CLAY—5,128 tons, 14 cwt., various consignees, Fowey

GLUE—101 bgs., Order, Liverpool

GUM—Copal, 50 bags, John H. Faunce, Liverpool; Myrrh, 29 bags, D. L. Silverman & Co., London

IRON OXIDE—16 bags, Order, London; 220 bbls., Order, Malaga

OIL—Kernel, 752 bbls., Order, Hull; Rape, 100 bbls., Order, Hull

IMPORTS AT BOSTON

Nov. 22 to 29

ACID—Formic, 80 bbls., R. & H. Chem. Co., Rotterdam; Oxalic, 40 casks, Order, Rotterdam; 17 casks, R. & H. Chem. Co., Hamburg

CHALK—2,000 bags, Reichard Coulston Inc., Hamburg; 250 bags, L. H. Butcher & Co., Hamburg; 800 tons, Stickney & Tirell, London

GLAUBER'S SALTS—1,666 bags, Order, Hamburg; 245 bbls., J. D. Lewis, Hamburg

IRON—Chloride, 50 bbls., Order, Hamburg; Oxide, 115 casks, Order, Liverpool

OIL—Cod, 65 casks, Bank of Nova Scotia, St. Johns; 92 casks, Order, St. Johns; 133 casks, Marden Wild Corp., Halifax; 288 casks, T. L. Young, Halifax; 123 casks, Order, St. Johns; 100 casks, F. W. Damon, St. Johns; 77 casks, Order, St. Johns; 200 casks, Carroll Chem. & Color Co., St. Johns; 143 casks, Marden Wild Corp., St. Johns; 60 bbls., White & Rodgers, Liverpool; 50 casks., Wm. Litchfield, Liverpool; Seal, 15 casks, Carroll Chem. & Color Co., St. Johns

OSSEINE—1,524 bags, Kidder, Peabody & Co., Rotterdam; 600 bags, Andrews & Co., Rotterdam; 810 bags, Kidder, Peabody & Co., Rotterdam

POTASH—Caustic, 100 drums, R. & H. Chem. Co., Hamburg; 69 drums, Order, Hamburg; Perchlorate, 100 casks, Seaboard National Bank, Rotterdam

SODIUM CHLORATE—120 kegs, Brewer & Co., Rotterdam

TRACASOL—100 casks., J. P. Marston, Liverpool

WOOL GREASE—100 bbls., A. Klipstein & Co., Rotterdam; 400 bbls., Marden Wild Corp., Hamburg; 100 bbls., Marden Wild Corp., Liverpool; 100 bbls., Order, Hamburg

POTASH—Muriate, 2,000 bags, Potash Importing Corp., Bremen

ROOT—Licorice, 1,668 pkgs., McAndrews & Forbes Co., Tarragona

IMPORTS AT BALTIMORE

Nov. 21 to 26

ALBUMEN—Flakes, 45 cases, 280 lbs., American Trading Co., New York, Cacique, San Francisco; Egg Yolks, 112 cases, American Trading Co., New York, Cacique, San Francisco

MANURE—365 tons, Armour Fertilizer Works, schooner General Leon Jurado, La. Velade Coro, Venezuela

POTASH—Carbonate, 98 casks, 60,900 lbs., Parsons Petit, Westpool, Hamburg; Caustic, 468 drums, 264,774 lbs., F. H. Shallus Co., Westpool, Hamburg

IMPORTS AT NEW ORLEANS

Nov. 22 to 29

GLAUBERS SALT—32,467 lbs., Germany

PYRIDINE—8,240 lbs., England; 9,371 lbs., England

BARIUM CARBONATE—Precipitated, 52,672 lbs., Dutch, Guiana; Salt, 2,450 casks, Liverpool

IMPORTS AT SAN FRANCISCO

Nov. 15, to 22

ACID—Oxalic, 12 bbls., Order, Hamburg

CALCIUM CHLORIDE—157 drums, Order, Hamburg

CAMPOR—35 cases, Order, Kobe

CASSIA—100 cases, Order, Hongkong

COPRA—290.75 tons, Wightman & Crane, Fanning Island

GRAPHITE—375 bags, Order, Kobe

IRON—Chloride, 20 bbls. and 30 kegs, Order, Hamburg

OIL—Codliver, 25 bbls., Order, Christiania; Peanut, 100 cases, Him Sing Cheong, Hongkong; 30 cases, Simon Bley, Hongkong; 147 bbls., Order, Shanghai; 555 tons, Order, Hankow

POTASH—Sulfate, 6,100 bags, Potash Importing Co. of America, Hamburg; Carbonate, 15 casks, Order, Hamburg

SODA—Nitrate, 40 casks, Order, Hamburg

SPICES—Cinnamon, 277 bales, Order, Colombo

STARCHE—30 cases, Wing Hing Shing, Hongkong

WAX—Bees, 277 lbs., Wightman & Crane, Fanning Island; Vegetable, 50 cases, Order, Kobe

The Foreign Trade Bureau, Philadelphia Commercial Museum, Philadelphia, has received an inquiry (42902) from Stickler & Magnuson Aktiebolaget, Brahegatan 5, Stockholm, Sweden, interested in purchasing American chemicals and lubricants.

E. M. Sargeant & Co.'s merchandise which was stored on the Erie Railroad pier, Jersey City, damaged by fire on Nov. 16, was insured for \$5,000.

The Domestic and Foreign Commerce Department, Chicago Association of Commerce, Chicago, has received an inquiry (4174) from a concern at Laredo, Texas, representing Mexican interests, desiring quotations in carload lots of caustic soda.

The General Purchasing Officer, Panama Canal, Washington, D. C., will take bids until Dec. 12, for a quantity of calcium carbide, tar, pitch, paints, cork board, glue, putty, ethyl alcohol, as per Schedule 1641.

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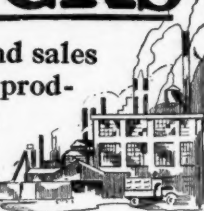
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PLANT EQUIPMENT

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MISCELLANEOUS

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